# AMASPRO INC

AMERICA & ASIA PRODUCTS

# RIGGING HARDWARE AND COMMERCIAL CHAIN











# SHACKLE

## SHACKLE OVERVIEW

### General

Shackles are used in lifting static systems as removable links to connect wire rope, chain and other fittings.
Shackles can be used in a variety of different applications, including:

Rigging
Towing or pulling
Lifting
Hoisting
Tie-down

### Selecting the Correct Shackle

Shackles are available in a range of material grades, sizes and designs. Select the shackle to be used and plan the lift taking the following into account:

- Type of shackle: anchor / bow shackles vs. chain/dee shackles



Suitable for both one-leg and multi-leg systems



Suitable for one-leg systems only

- Type of pin: screw pin vs. bolt type

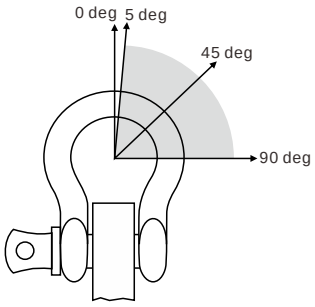


Screw pin for quick (dis)assembly
Mainly used in non - permanent applications



Double safety (cotter pin & safety bolt)
Mainly used in long-term applications

**- Side loading: the following rated load reductions will occur when side loading angle deviates from in-line (0°)**



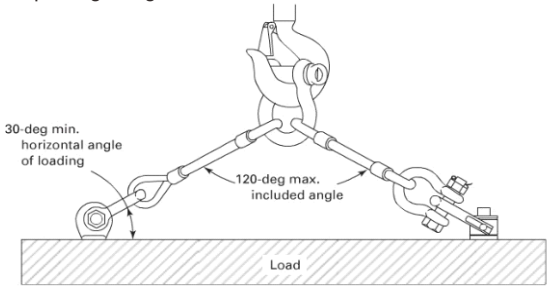

| Side Loading Angle (°) | % of Rated Load Reduction |
|---|---|
| In-line (0° to 5°) | None |
| 6°-45° | 30% |
| 46°-90° | 50% |
| Over 90° | Not recommended |

**- Inspecting the shackles**

-Inspect shackles regularly.
-Inspect the shackle eye and pin holes for stretching (elongation) and wear. Elongation means the metal is being overloaded.
-Inspect the shackle body for bending. A bent shackle indicates excessive side-loading.
-Inspect all shackle pins for distortion, surface blemishes, wear and fractures.
-All pins must be straight and all screw pins must be completely seated.

**- Using shackles safely**

-Do not force, hammer or wedge shackles into position.
-Do not exceed 120 degrees for the angle when using multiple leg slings.



# SHACKLE

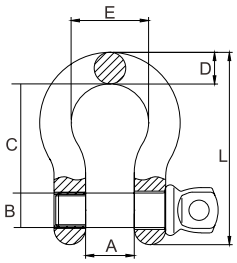
Bow shackle can take loads from different directions and are perfectly suited for rigging due to their geometric shape.

-Forged, quenched and tempered.
-Material: body-carbon steel, pin-alloy steel
-Surface finish: electro galvanized body and painted pin as standard. Hot dip galvanized finish is optional.
-Safety factor: 6:1 as standard. 4:1 is optional.
-Marking: size, WLL , " CE " mark, batch number

## *SCREW PIN ANCHOR SHACKLE*

| Item No. | Size | W.L.L. | Dimensions(mm) | | | | | | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | L | | |
| SH01005 | 3/16" | 1/3T | 9.65 | 6.35 | 22.4 | 4.85 | 15.2 | 37.3 | 0.022 | 701001005 |
| SH01006 | 1/4" | 1/2T | 11.9 | 7.85 | 28.7 | 6.35 | 19.8 | 46.7 | 0.05 | 701001006 |
| SH01008 | 5/16" | 3/4T | 13.5 | 9.65 | 31 | 7.85 | 21.3 | 53 | 0.08 | 701001008 |
| SH01010 | 3/8" | 1T | 16.8 | 11.2 | 36.6 | 9.65 | 26.2 | 63 | 0.135 | 701001010 |
| SH01011 | 7/16" | 1-1/2T | 19.1 | 12.7 | 42.9 | 11.2 | 29.5 | 74 | 0.195 | 701001011 |
| SH01013 | 1/2" | 2T | 20.6 | 16 | 47.8 | 12.7 | 33.3 | 83.5 | 0.3 | 701001013 |
| SH01016 | 5/8" | 3-1/4T | 26.9 | 19.1 | 60.5 | 16 | 42.9 | 106 | 0.61 | 701001016 |
| SH01019 | 3/4" | 4-3/4T | 31.8 | 22.4 | 71.5 | 19.1 | 51 | 126 | 1.03 | 701001019 |
| SH01022 | 7/8" | 6-1/2T | 36.6 | 25.4 | 84 | 22.4 | 58 | 148 | 1.6 | 701001022 |
| SH01025 | 1" | 8-1/2T | 42.9 | 28.7 | 95.5 | 25.4 | 68.5 | 167 | 2.3 | 701001025 |
| SH01029 | 1-1/8" | 9-1/2T | 46 | 31.8 | 108 | 29.5 | 74 | 190 | 3.2 | 701001029 |
| SH01032 | 1-1/4" | 12T | 51.5 | 35.1 | 119 | 32.8 | 82.5 | 210 | 4.4 | 701001032 |
| SH01035 | 1-3/8" | 13-1/2T | 57 | 38.1 | 133 | 36.1 | 92 | 233 | 6.2 | 701001035 |
| SH01038 | 1-1/2" | 17T | 60.5 | 41.4 | 146 | 39.1 | 98.5 | 254 | 7.8 | 701001038 |
| SH01044 | 1-3/4" | 25T | 73 | 51 | 178 | 46.7 | 127 | 313 | 13.8 | 701001044 |
| SH01050 | 2" | 35T | 82.5 | 57 | 197 | 53 | 146 | 348 | 20.5 | 701001050 |
| SH01063 | 2-1/2" | 55T | 105 | 70 | 267 | 69 | 184 | 453 | 39 | 701001063 |



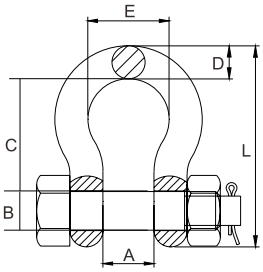



Spec.To RR-C-271,
Type 4A,
Grade A,Class 2
MIN.B.L.=6×WLL

## *BOLT TYPE ANCHOR SHACKLE*

| Item No. | Size | W.L.L. | Dimensions(mm) | | | | | | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | L | | |
| SH03005 | 3/16" | 1/3T | 9.65 | 6.35 | 22.4 | 4.85 | 15.2 | 37.3 | 0.03 | 701003005 |
| SH03006 | 1/4" | 1/2T | 11.9 | 7.85 | 28.7 | 6.35 | 19.8 | 46.7 | 0.075 | 701003006 |
| SH03008 | 5/16" | 3/4T | 13.5 | 9.65 | 31 | 7.85 | 21.3 | 53 | 0.1 | 701003008 |
| SH03010 | 3/8" | 1T | 16.8 | 11.2 | 36.6 | 9.65 | 26.2 | 63 | 0.16 | 701003010 |
| SH03011 | 7/16" | 1-1/2T | 19.1 | 12.7 | 42.9 | 11.2 | 29.5 | 74 | 0.215 | 701003011 |
| SH03013 | 1/2" | 2T | 20.6 | 16 | 47.8 | 12.7 | 33.3 | 83.5 | 0.36 | 701003013 |
| SH03016 | 5/8" | 3-1/4T | 26.9 | 19.1 | 60.5 | 17.5 | 42.9 | 106 | 0.7 | 701003016 |
| SH03019 | 3/4" | 4-3/4T | 31.8 | 22.4 | 71.5 | 20.6 | 51 | 126 | 1.23 | 701003019 |
| SH03022 | 7/8" | 6-1/2T | 36.6 | 25.4 | 84 | 24.6 | 58 | 148 | 1.8 | 701003022 |
| SH03025 | 1" | 8-1/2T | 42.9 | 28.7 | 95.5 | 26.9 | 68.5 | 167 | 2.78 | 701003025 |
| SH03029 | 1-1/8" | 9-1/2T | 46 | 31.8 | 108 | 31.8 | 74 | 190 | 3.75 | 701003029 |
| SH03032 | 1-1/4" | 12T | 51.5 | 35.1 | 119 | 35.1 | 82.5 | 210 | 5.31 | 701003032 |
| SH03035 | 1-3/8" | 13-1/2T | 57 | 38.1 | 133 | 38.1 | 92 | 233 | 6.98 | 701003035 |
| SH03038 | 1-1/2" | 17T | 60.5 | 44.5 | 146 | 41.1 | 98.5 | 254 | 9.4 | 701003038 |
| SH03044 | 1-3/4" | 25T | 73 | 51 | 178 | 57 | 127 | 313 | 15.4 | 701003044 |
| SH03050 | 2" | 35T | 82.5 | 57 | 197 | 61 | 146 | 348 | 23.7 | 701003050 |
| SH03063 | 2-1/2" | 55T | 105 | 70 | 267 | 79.5 | 184 | 453 | 44.57 | 701003063 |
| SH03075 | 3" | 85T | 127 | 82.5 | 330 | 92 | 200 | 546 | 70 | 701003075 |
| SH03088 | 3-1/2" | 120T | 133 | 95.5 | 372 | 105 | 229 | 626 | 120 | 701003088 |
| SH03100 | 4" | 150T | 140 | 108 | 368 | 116 | 254 | 653 | 158 | 701003100 |






Spec.To RR-C-271,
Type 4A,
Grade A,Class 3
MIN.B.L.=6×WLL

# SHACKLE

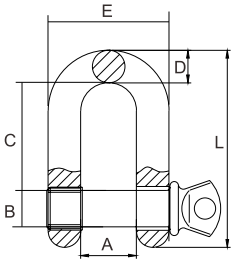
Chain shackle have a straight-legged shape that is optimized for two directions of pull. Most commonly used on single-leg slings.

-Forged, quenched and tempered.
-Material: body-carbon steel, pin-alloy steel
-Surface finish: electro galvanized body and painted pin as standard. Hot dip galvanized finish is optional.
-Safety factor: 6:1 as standard. 4:1 is optional.
-Marking: size, WLL , "CE" mark, batch number

## SCREW PIN CHAIN SHACKLE

| Item No. | Size | W.L.L. | Dimensions(mm) | | | | | | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | L | | |
| SH02005 | 3/16" | 1/3T | 9.65 | 6.35 | 19 | 4.85 | 19.35 | 33.9 | 0.022 | 701002005 |
| SH02006 | 1/4" | 1/2T | 11.9 | 7.85 | 22.4 | 6.35 | 24.6 | 40.4 | 0.05 | 701002006 |
| SH02008 | 5/16" | 3/4T | 13.5 | 9.65 | 26.2 | 7.85 | 29.5 | 48.5 | 0.08 | 701002008 |
| SH02010 | 3/8" | 1T | 16.8 | 11.2 | 31.8 | 9.65 | 35.8 | 58.5 | 0.13 | 701002010 |
| SH02011 | 7/16" | 1-1/2T | 19.1 | 12.7 | 36.6 | 11.2 | 41.4 | 67.8 | 0.19 | 701002011 |
| SH02013 | 1/2" | 2T | 20.6 | 16 | 41.4 | 12.7 | 46 | 77 | 0.27 | 701002013 |
| SH02016 | 5/8" | 3-1/4T | 26.9 | 19.1 | 51 | 16 | 58.5 | 95.5 | 0.57 | 701002016 |
| SH02019 | 3/4" | 4-3/4T | 31.8 | 22.4 | 60.5 | 19.1 | 70 | 115 | 1.02 | 701002019 |
| SH02022 | 7/8" | 6-1/2T | 36.6 | 25.4 | 71.5 | 22.4 | 81 | 135 | 1.43 | 701002022 |
| SH02025 | 1" | 8-1/2T | 42.9 | 28.7 | 81 | 25.4 | 93.5 | 151 | 2.15 | 701002025 |
| SH02029 | 1-1/8" | 9-1/2T | 46 | 31.8 | 91 | 28.7 | 103 | 172 | 3.06 | 701002029 |
| SH02032 | 1-1/4" | 12T | 51.5 | 35.1 | 100 | 31.8 | 115 | 191 | 4.11 | 701002032 |
| SH02035 | 1-3/8" | 13-1/2T | 57 | 38.1 | 111 | 35.1 | 127 | 210 | 5.28 | 701002035 |
| SH02038 | 1-1/2" | 17T | 60.5 | 41.4 | 122 | 38.1 | 137 | 230 | 7.23 | 701002038 |
| SH02044 | 1-3/4" | 25T | 73 | 51 | 146 | 44.5 | 162 | 279 | 12.13 | 701002044 |
| SH02050 | 2" | 35T | 82.5 | 57 | 172 | 51 | 184 | 312 | 19.2 | 701002050 |
| SH02063 | 2-1/2" | 55T | 105 | 70 | 203 | 66.5 | 238 | 377 | 32.5 | 701002063 |



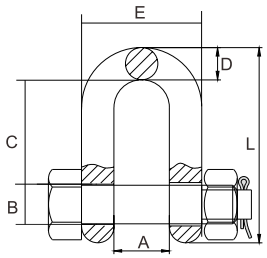



Spec.To RR-C-271,
Type 4B,
Grade A,Class 2
MIN.B.L.=6×WLL

## BOLT TYPE CHAIN SHACKLE

| Item No. | Size | W.L.L. | Dimensions(mm) | | | | | | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | D | C | L | E | | |
| SH04006 | 1/4" | 1/2T | 11.9 | 7.85 | 6.35 | 19.1 | 40.4 | 24.6 | 0.065 | 701004006 |
| SH04008 | 5/16" | 3/4T | 13.5 | 9.65 | 7.85 | 25.4 | 48.5 | 29.5 | 0.10 | 701004008 |
| SH04010 | 3/8" | 1T | 16.8 | 11.2 | 9.65 | 31 | 58.5 | 35.8 | 0.15 | 701004010 |
| SH04011 | 7/16" | 1-1/2T | 19.1 | 12.7 | 11.2 | 36.1 | 67.5 | 41.1 | 0.22 | 701004011 |
| SH04013 | 1/2" | 2T | 20.6 | 16 | 12.7 | 41.4 | 77 | 46 | 0.34 | 701004013 |
| SH04016 | 5/8" | 3-1/4T | 26.9 | 19.1 | 16 | 51 | 95.5 | 58.5 | 0.67 | 701004016 |
| SH04019 | 3/4" | 4-3/4T | 31.8 | 22.4 | 19.1 | 60.5 | 115 | 70 | 1.14 | 701004019 |
| SH04022 | 7/8" | 6-1/2T | 36.6 | 25.4 | 22.4 | 71.5 | 135 | 81 | 1.74 | 701004022 |
| SH04025 | 1" | 8-1/2T | 42.9 | 28.7 | 25.4 | 81 | 151 | 93.5 | 2.52 | 701004025 |
| SH04029 | 1-1/8" | 9-1/2T | 46 | 31.8 | 28.7 | 91 | 172 | 103 | 3.45 | 701004029 |
| SH04032 | 1-1/4" | 12T | 51.5 | 35.1 | 31.8 | 100 | 191 | 115 | 4.9 | 701004032 |
| SH04035 | 1-3/8" | 13-1/2T | 57 | 38.1 | 35.1 | 111 | 210 | 127 | 6.24 | 701004035 |
| SH04038 | 1-1/2" | 17T | 60.5 | 41.4 | 38.1 | 122 | 230 | 137 | 8.39 | 701004038 |
| SH04044 | 1-3/4" | 25T | 73 | 51 | 44.5 | 146 | 279 | 162 | 14.24 | 701004044 |
| SH04050 | 2" | 35T | 82.5 | 57 | 51 | 172 | 312 | 184 | 21.2 | 701004050 |
| SH04063 | 2-1/2" | 55T | 105 | 70 | 66.5 | 203 | 377 | 238 | 38.55 | 701004063 |
| SH04075 | 3" | 85T | 127 | 82.5 | 76 | 216 | 429 | 279 | 56.5 | 701004075 |






Spec.To RR-C-271,
Type 4B,
Grade A,Class 3
MIN.B.L.=6×WLL

# SHACKLE

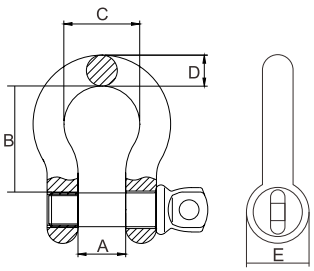
Large bow shackle is suitable for many tasks with a great size range.
Large dee shackle is suitable for most straight, in-line lifting applications

Material: carbon steel
Safety factor: 4:1
Surface finish: electro galvanized
Marking: size

## EUROPEAN TYPE LARGE BOW SHACKLE

| Item No. | Size | W.L.L. | Dimensions(mm) | | | | | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | | |
| SH05005 | 5MM | 0.08T | 10 | 19 | 16 | 5 | 11 | 0.017 | 701005005 |
| SH05006 | 6MM | 0.1T | 13 | 25 | 20 | 6 | 14 | 0.025 | 701005006 |
| SH05008 | 8MM | 0.2T | 16 | 32 | 24 | 8 | 18 | 0.05 | 701005008 |
| SH05010 | 10MM | 0.32T | 19 | 38 | 32 | 10 | 20 | 0.09 | 701005010 |
| SH05012 | 12MM | 0.52T | 25 | 51 | 38 | 12 | 26 | 0.18 | 701005012 |
| SH05014 | 14MM | 0.7T | 28 | 56 | 45 | 14 | 28 | 0.28 | 701005014 |
| SH05016 | 16MM | 0.8T | 32 | 64 | 56 | 16 | 33 | 0.41 | 701005016 |
| SH05018 | 18MM | 1T | 36 | 72 | 60 | 18 | 36 | 0.62 | 701005018 |
| SH05020 | 20MM | 1.1T | 38 | 76 | 66 | 20 | 40 | 0.8 | 701005020 |
| SH05022 | 22MM | 1.5T | 44 | 89 | 74 | 22 | 50 | 1.1 | 701005022 |
| SH05025 | 25MM | 2.1T | 51 | 100 | 80 | 25 | 57 | 1.65 | 701005025 |
| SH05028 | 28MM | 3T | 57 | 115 | 94 | 28 | 68 | 2.4 | 701005028 |
| SH05032 | 32MM | 3.5T | 64 | 127 | 104 | 32 | 73 | 3.5 | 701005032 |
| SH05036 | 36MM | 4T | 72 | 144 | 112 | 36 | 75 | 5.1 | 701005036 |
| SH05038 | 38MM | 5T | 76 | 152 | 126 | 38 | 85 | 6.35 | 701005038 |
| SH05042 | 42MM | 6T | 84 | 168 | 138 | 42 | 90 | 8.4 | 701005042 |
| SH05045 | 45MM | 7T | 90 | 180 | 150 | 45 | 96 | 11.5 | 701005045 |
| SH05050 | 50MM | 8T | 102 | 200 | 156 | 50 | 108 | 14 | 701005050 |

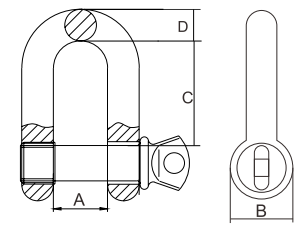





## EUROPEAN TYPE LARGE DEE SHACKLE

| Item No. | Size | W.L.L. | Dimensions(mm) | | | | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | | |
| SH06005 | 5MM | 0.08T | 10 | 11 | 19 | 5 | 0.015 | 701006005 |
| SH06006 | 6MM | 0.1T | 13 | 14 | 25 | 6 | 0.024 | 701006006 |
| SH06008 | 8MM | 0.2T | 16 | 18 | 32 | 8 | 0.05 | 701006008 |
| SH06010 | 10MM | 0.32T | 19 | 20 | 38 | 10 | 0.085 | 701006010 |
| SH06012 | 12MM | 0.52T | 25 | 26 | 51 | 12 | 0.17 | 701006012 |
| SH06014 | 14MM | 0.7T | 28 | 28 | 56 | 14 | 0.25 | 701006014 |
| SH06016 | 16MM | 0.8T | 32 | 33 | 64 | 16 | 0.38 | 701006016 |
| SH06018 | 18MM | 1T | 36 | 35 | 72 | 18 | 0.59 | 701006018 |
| SH06020 | 20MM | 1.1T | 38 | 40 | 76 | 20 | 0.76 | 701006020 |
| SH06022 | 22MM | 1.5T | 44 | 50 | 89 | 22 | 1.05 | 701006022 |
| SH06025 | 25MM | 2.1T | 51 | 57 | 100 | 25 | 1.55 | 701006025 |
| SH06028 | 28MM | 3T | 57 | 68 | 115 | 28 | 2.25 | 701006028 |
| SH06032 | 32MM | 3.5T | 64 | 73 | 127 | 32 | 3.35 | 701006032 |
| SH06036 | 36MM | 4T | 72 | 75 | 144 | 36 | 4.6 | 701006036 |
| SH06038 | 38MM | 5T | 76 | 85 | 152 | 38 | 5.86 | 701006038 |
| SH06042 | 42MM | 6T | 84 | 90 | 168 | 42 | 7.9 | 701006042 |
| SH06045 | 45MM | 7T | 90 | 96 | 180 | 45 | 10 | 701006045 |
| SH06050 | 50MM | 8T | 102 | 108 | 200 | 50 | 12.5 | 701006050 |





# TURNBUCKLE

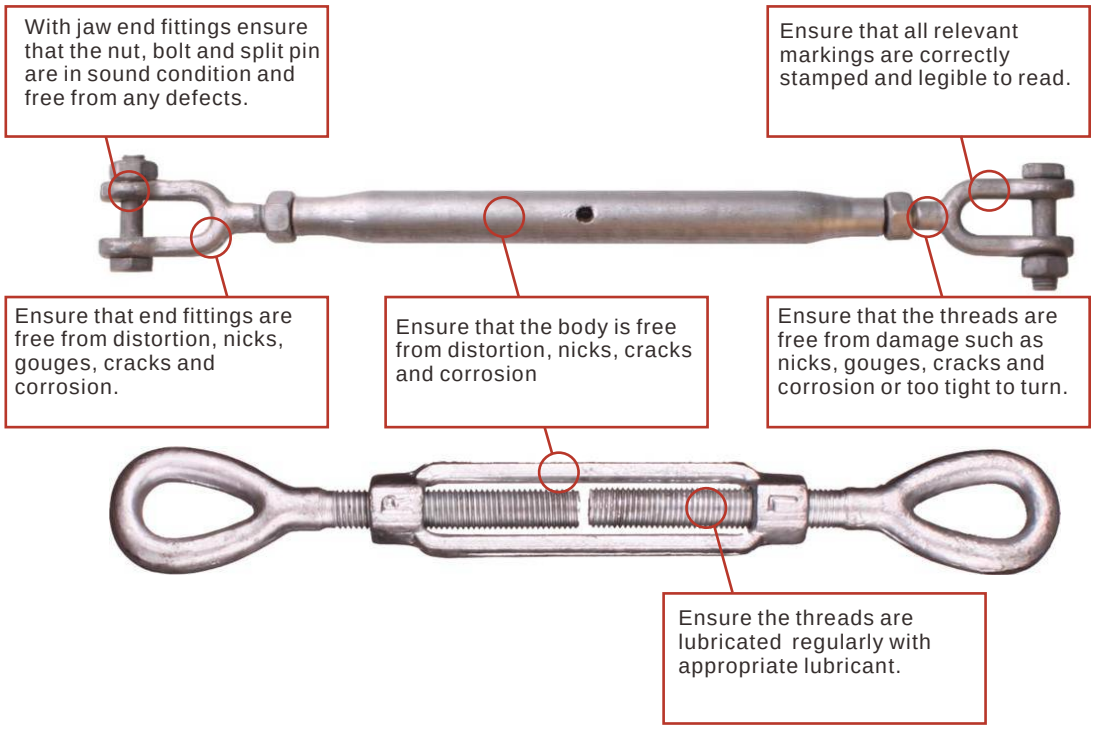
## TURNBUCKLE OVERVIEW

### GENERAL

A turnbuckle is a common rigging device for adjusting tension and reduce slack in ropes, cables and other tensioning systems. It normally consists of two threaded end fittings, one screwed into each end of a small metal frame, one with a left-hand thread and the other with a right-hand thread. The tension can be adjusted by rotating the frame, which causes both eye bolts to be screwed in or out simultaneously, without twisting the eye bolts or attached cables.



### INSPECTION



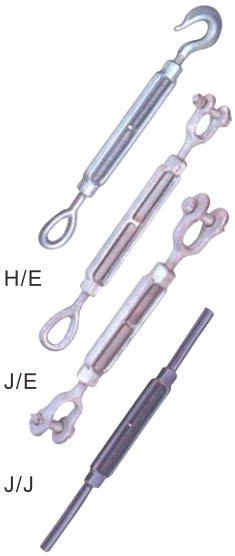

### Care & Use

1. Make sure that the correct turnbuckle or rigging screw is selected for intended use and application.
2. Where components are connected to turnbuckle or rigging screw ensure they do not bind and freely articulate so that the system can sit in a straight line when tension is applied .
3. When tensioning the body of a turnbuckle or rigging screw ensure that both end terminals and fittings do not rotate.
4. Do not tension turnbuckles or rigging screws beyond the specified rating, especially for smaller sizes.
5. Turnbuckles and rigging screws are not designed for continuous adjustment under rated load conditions therefore wear on the threads should be checked if used in this way.
6. Locking nuts, fitted to the ends of the body, are a method of locking, but may not provide positive or reliable locking under all circumstances therefore should be inspected regularly.
7. Turnbuckles and rigging screws should be inspected periodically by a competent person.

# TURNBUCKLE

## TURNBUCKLE U.S. TYPE, DROP FORGED

1. Drop forged, quenched and tempered
2. Safety factor: 5:1
3. Proof load: 2.5 times the Working Load Limit
4. Finish: H.D.G., self colored or electro galvanized
5. End fitting: hook & hook, hook & eye, eye & eye, jaw & eye, jaw & jaw, stub end
6. Lock nuts available for all sizes.
7. Federal Specification FF-T-791b, Type 1, Form 1 and ASTM F1145-92
8. Note: turnbuckles are recommended for straight or in-line pull.




| Item No. | Size/inch (Dia.& takeup) | W.L.L. (lbs) | | Weight (lbs) | | | | Product Code |
|---|---|---|---|---|---|---|---|---|
| | | H&H H&E | E&E J&E J&J Stub End | E&E H&H E&H | JAW&EYE | Stub End | JAW&JAW | |
| TB106100 | 1/4 X 4 | 400 | 500 | 0.30 | 0.30 | 0.29 | 0.40 | 70200106100 |
| TB108113 | 5/16 X 4-1/2 | 700 | 800 | 0.50 | 0.53 | 0.46 | 0.58 | 70200108113 |
| TB110152 | 3/8 X 6 | 1000 | 1200 | 0.75 | 0.82 | 0.75 | 0.93 | 70200110152 |
| TB113152 | 1/2 X 6 | 1500 | 2200 | 1.50 | 1.62 | 1.36 | 1.68 | 70200113152 |
| TB113228 | 1/2 X 9 | 1500 | 2200 | 1.75 | 1.82 | 1.69 | 1.85 | 70200113228 |
| TB113304 | 1/2 X 12 | 1500 | 2200 | 2.18 | 2.19 | 2.00 | 2.20 | 70200113304 |
| TB116152 | 5/8 X 6 | 2250 | 3500 | 2.63 | 2.59 | 2.15 | 2.82 | 70200116152 |
| TB116228 | 5/8 X 9 | 2250 | 3500 | 3.00 | 3.01 | 2.70 | 3.25 | 70200116228 |
| TB116304 | 5/8 X 12 | 2250 | 3500 | 3.25 | 3.50 | 3.22 | 3.75 | 70200116304 |
| TB119152 | 3/4 X 6 | 3000 | 5200 | 3.75 | 4.25 | 3.25 | 4.68 | 70200119152 |
| TB119228 | 3/4 X 9 | 3000 | 5200 | 4.50 | 5.00 | 4.00 | 5.38 | 70200119228 |
| TB119304 | 3/4 X 12 | 3000 | 5200 | 5.75 | 5.75 | 4.65 | 6.12 | 70200119304 |
| TB119457 | 3/4 X 18 | 3000 | 5200 | 7.00 | 7.25 | 6.12 | 7.25 | 70200119457 |
| TB122152 | 7/8 X 6 | 4000 | 7200 | 5.85 | 6.29 | 4.75 | 6.84 | 70200122152 |
| TB122304 | 7/8 X 12 | 4000 | 7200 | 8.38 | 8.88 | 6.67 | 9.36 | 70200122304 |
| TB122457 | 7/8 X 18 | 4000 | 7200 | 10.25 | 10.60 | 8.75 | 11.44 | 70200122457 |
| TB125152 | 1 X 6 | 5000 | 10000 | 8.76 | 9.16 | 6.41 | 9.51 | 70200125152 |
| TB125304 | 1 X 12 | 5000 | 10000 | 11.25 | 12.00 | 8.90 | 12.88 | 70200125304 |
| TB125457 | 1 X 18 | 5000 | 10000 | 14.00 | 14.75 | 11.70 | 16.10 | 70200125457 |
| TB125609 | 1 X 24 | 5000 | 10000 | 17.00 | 17.75 | 14.30 | 18.60 | 70200125609 |
| TB132152 | 1-1/4 X 6 | 6500 | 15200 | 15.45 | 16.03 | 10.40 | 16.69 | 70200132152 |
| TB132304 | 1-1/4 X 12 | 6500 | 15200 | 19.00 | 21.20 | 14.20 | 23.60 | 70200132304 |
| TB132457 | 1-1/4 X 18 | 6500 | 15200 | 24.10 | 26.00 | 18.00 | 26.60 | 70200132457 |
| TB132609 | 1-1/4 X 24 | 6500 | 15200 | 25.00 | 28.70 | 21.80 | 31.20 | 70200132609 |
| TB138304 | 1-1/2 X 12 | 7500 | 21400 | 27.00 | 31.10 | 20.50 | 35.50 | 70200138304 |
| TB138457 | 1-1/2 X 18 | 7500 | 21400 | 31.20 | 36.40 | 26.20 | 40.70 | 70200138457 |
| TB138609 | 1-1/2 X 24 | 7500 | 21400 | 38.20 | 44.20 | 31.40 | 47.60 | 70200138609 |
| TB144457 | 1-3/4 X 18 | - | 28000 | 45.20 | 48.80 | / | 52.40 | 70200144457 |
| TB144609 | 1-3/4 X 24 | - | 28000 | 58.00 | 60.00 | 43.90 | 64.00 | 70200144609 |
| TB150609 | 2 X 24 | - | 37000 | 90.00 | 102.00 | 60.30 | 115.00 | 70200150609 |
| TB164609 | 2-1/2 X 24 | - | 60000 | 180.00 | 183.00 | 110.00 | 200.00 | 70200164609 |
| TB170609 | 2-3/4 X 24 | - | 75000 | 210.00 | 214.00 | / | 248.00 | 70200170609 |

# TURNBUCKLE

1. DIN 1480 turnbuckle: open body; DIN 1478 turnbuckle: closed body
2. Finish: electro galvanized, H.D.G. or self colored
3. End fitting: hook & hook, hook & eye, eye & eye, jaw & eye, jaw & jaw
4. Note: turnbuckles are not rated for lifting.

## DIN 1480 TURNBUCKLE

| Item No. | Size | Body Length | Weight | Product Code |
|---|---|---|---|---|
| | | mm | kg | |
| TB148005 | M5 | 70 | 0.052 | 702002005 |
| TB148006 | M6 | 110 | 0.09 | 702002006 |
| TB148008 | M8 | 110 | 0.15 | 702002008 |
| TB148010 | M10 | 125 | 0.26 | 702002010 |
| TB148012 | M12 | 125 | 0.4 | 702002012 |
| TB148014 | M14 | 140 | 0.6 | 702002014 |
| TB148016 | M16 | 170 | 0.9 | 702002016 |
| TB148018 | M18 | 180 | 1.25 | 702002018 |
| TB148020 | M20 | 200 | 1.65 | 702002020 |
| TB148022 | M22 | 220 | 2.22 | 702002022 |
| TB148024 | M24 | 255 | 2.68 | 702002024 |
| TB148027 | M27 | 255 | 3.82 | 702002027 |
| TB148030 | M30 | 255 | 4.5 | 702002030 |
| TB148032 | M32 | 295 | 4.92 | 702002032 |
| TB148036 | M36 | 295 | 8.3 | 702002036 |
| TB148039 | M39 | 330 | 10.41 | 702002039 |
| TB148042 | M42 | 330 | 12.9 | 702002042 |
| TB148045 | M45 | 355 | 16 | 702002045 |
| TB148048 | M48 | 355 | 21 | 702002048 |
| TB148052 | M52 | 355 | 23 | 702002052 |



## DIN 1478 TURNBUCKLE

| Item No. | Size | W.L.L. | Body Length | Weight | Product Code |
|---|---|---|---|---|---|
| | | | mm | kg | |
| TB147806 | M6 | 0.2T | 110 | 0.2 | 702003006 |
| TB147808 | M8 | 0.3T | 110 | 0.4 | 702003008 |
| TB147810 | M10 | 0.5T | 125 | 0.6 | 702003010 |
| TB147812 | M12 | 0.7T | 125 | 0.9 | 702003012 |
| TB147816 | M16 | 1.2T | 170 | 1.3 | 702003016 |
| TB147820 | M20 | 1.5T | 200 | 1.7 | 702003020 |
| TB147822 | M22 | 2.2T | 220 | 3.2 | 702003022 |
| TB147824 | M24 | 5T | 255 | 3.9 | 702003024 |
| TB147833 | M33 | 7T | 295 | 7.3 | 702003033 |
| TB147836 | M36 | 8T | 295 | 8.5 | 702003036 |
| TB147839 | M39 | 10T | 330 | 10 | 702003039 |
| TB147850 | M50 | 17T | 356 | 21.5 | 702003050 |



# TURNBUCKLE

## TURNBUCKLE COMMERCIAL TYPE

1. Finish: electro galvanized.
2. End fitting: hook & hook, hook & eye, eye & eye
3. Note: not for lifting purposes.

| Item No. | Size | W.L.L. | Total Length | Body Length | Product Code |
|---|---|---|---|---|---|
| | mm | kg | mm | mm | |
| TBM06215 | 6 | 100 | 215 | 100 | 702004006 |
| TBM08280 | 8 | 200 | 280 | 125 | 702004008 |
| TBM10325 | 10 | 300 | 325 | 150 | 702004010 |
| TBM12430 | 12 | 500 | 430 | 200 | 702004012 |
| TBM16540 | 16 | 1000 | 540 | 250 | 702004016 |
| TBM20670 | 20 | 1500 | 670 | 300 | 702004020 |
| TBM22740 | 22 | 2200 | 740 | 330 | 702004022 |
| TBM24830 | 24 | 3000 | 830 | 350 | 702004024 |



## RIGGING SCREW

Rigging screw is durable, easy to adjust and can be used in a variety of applications where the length of the load bearing part needs to be adjusted. It is designed to provide quick rigging using standard tools and the same time closed body design effectively protects the thread.

- Compact, lightweight and durable construction.
- Easy to adjust the length using standard tools.
- The adjusted length is securely locked by closing the locking nuts.
- All parts are hot dip galvanized for long service life.
- The closed body design protects the threads from damage and at the same time prevent dirt from entering into the center body.
- End fitting: hook & hook, hook & eye, eye & eye, jaw & jaw, jaw & eye

| Item No. | Size | Body Length | Weight | Product Code |
|---|---|---|---|---|
| | | mm | kg | |
| TBRS06 | M6 | 102 | 0.12 | 702005006 |
| TBRS08 | M8 | 127 | 0.21 | 702005008 |
| TBRS10 | M10 | 152 | 0.46 | 702005010 |
| TBRS12 | M12 | 229 | 0.9 | 702005012 |
| TBRS16 | M16 | 229 | 1.5 | 702005016 |
| TBRS20 | M20 | 229 | 2 | 702005020 |
| TBRS22 | M22 | 305 | 2.5 | 702005022 |
| TBRS24 | M24 | 356 | 4.3 | 702005024 |
| TBRS28 | M28 | 356 | 5.15 | 702005028 |
| TBRS32 | M32 | 381 | 8 | 702005032 |
| TBRS36 | M36 | 381 | 11.2 | 702005036 |
| TBRS39 | M39 | 406 | 14.1 | 702005039 |
| TBRS45 | M45 | 407 | 22.2 | 702005045 |
| TBRS50 | M50 | 407 | 30 | 702005050 |



## HAMBURG TURNBUCKLE

Hamburg turnbuckles are made for roro lashing and general cargo lashing.
Every hamburg turnbuckle is made of mild steel. The finish normally is natural black.

| Item No. | Size | Body Length | Weight | Product Code |
|---|---|---|---|---|
| | | mm | kg | |
| TBH20500 | M20×500MM | 500 | 2.7 | 702006020 |
| TBH24400 | M24×400MM | 400 | 2.8 | 702006024 |
| TBH27400 | M27×400MM | 400 | 4 | 702006027 |
| TBH30400 | M30×400MM | 400 | 4.5 | 702006030 |
| TBH32400 | M32×400MM | 400 | 5 | 702006032 |
| TBH36400 | M36×400MM | 400 | 7 | 702006036 |



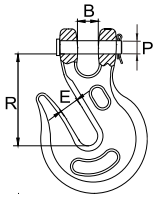
# HOOK

-"C" stands for carbon steel, "A" stands for alloy steel
-"C" is designed for Grade 43 chain, "A" is designed for Grade 70 chain
-Not suitable for use with Grade 80 chain and chain sling used in overhead lifting
- Drop forged, quenched & tempered
- Electro galvanized

## CLEVIS GRAB HOOK



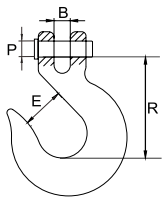
| Item No. | | Chain Size | W.L.L.(lbs) | | Dimensions(inch) | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|
| | | inch | Carbon | Alloy | B | E | P | R | lbs | |
| HK0106C | HK0106A | 1/4 | 2,600 | 3,600 | 0.36 | 0.40 | 0.38 | 1.97 | 0.40 | 703001006 |
| HK0108C | HK0108A | 5/16 | 3,900 | 5,400 | 0.40 | 0.44 | 0.44 | 2.26 | 0.79 | 703001008 |
| HK0110C | HK0110A | 3/8 | 5,400 | 7,500 | 0.48 | 0.50 | 0.47 | 2.63 | 1.00 | 703001010 |
| HK0111C | HK0111A | 7/16 | 7,200 | 10,000 | 0.66 | 0.56 | 0.56 | 2.75 | 1.50 | 703001011 |
| HK0113C | HK0113A | 1/2 | 9,200 | 12,750 | 0.75 | 0.66 | 0.63 | 3.19 | 2.10 | 703001013 |
| HK0116C | HK0116A | 5/8 | 12,750 | 19,000 | 0.91 | 0.78 | 0.75 | 4.09 | 4.20 | 703001016 |
| HK0119C | HK0119A | 3/4 | 18,500 | 27,000 | 0.94 | 0.94 | 0.88 | 4.63 | 6.50 | 703001019 |




## CLEVIS SLIP HOOK



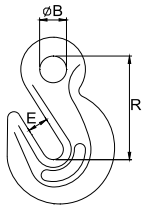
| Item No. | | Chain Size | W.L.L.(lbs) | | Dimensions(inch) | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|
| | | inch | Carbon | Alloy | B | E | P | R | lbs | |
| HK0206C | HK0206C | 1/4 | 1,950 | 2,750 | 0.44 | 0.94 | 0.38 | 2.56 | 0.50 | 703002006 |
| HK0208C | HK0208A | 5/16 | 2,875 | 4,300 | 0.50 | 1.06 | 0.44 | 2.87 | 0.75 | 703002008 |
| HK0210C | HK0210A | 3/8 | 4,000 | 5,250 | 0.59 | 1.31 | 0.47 | 3.25 | 1.20 | 703002010 |
| HK0211C | HK0211A | 7/16 | 5,000 | 7,000 | 0.66 | 1.56 | 0.56 | 3.70 | 2.06 | 703002011 |
| HK0213C | HK0213A | 1/2 | 6,500 | 9,000 | 0.75 | 1.69 | 0.63 | 4.00 | 2.80 | 703002013 |
| HK0216C | HK0216A | 5/8 | 9,250 | 12,500 | 0.91 | 2.00 | 0.75 | 4.94 | 4.75 | 703002016 |
| HK0219C | HK0219A | 3/4 | 12,500 | 19,250 | 1.31 | 2.50 | 1.00 | 6.09 | 10.30 | 703002019 |




## EYE GRAB HOOK



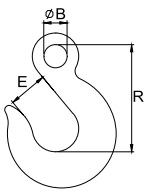
| Item No. | | Chain Size | W.L.L.(lbs) | | Dimensions(inch) | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | | inch | Carbon | Alloy | B | E | R | lbs | |
| HK0306C | HK0306A | 1/4 | 2,600 | 3,600 | 0.50 | 0.34 | 1.97 | 0.28 | 703003006 |
| HK0308C | HK0308A | 5/16 | 3,900 | 5,400 | 0.56 | 0.44 | 2.25 | 0.45 | 703003008 |
| HK0310C | HK0310A | 3/8 | 5,400 | 7,500 | 0.66 | 0.50 | 2.56 | 0.79 | 703003010 |
| HK0311C | HK0311A | 7/16 | 7,200 | 10,000 | 0.75 | 0.56 | 2.94 | 1.19 | 703003011 |
| HK0313C | HK0313A | 1/2 | 9,200 | 12,750 | 0.88 | 0.66 | 3.38 | 1.80 | 703003013 |
| HK0316C | HK0316A | 5/8 | 12,750 | 19,000 | 1.06 | 0.78 | 4.11 | 3.30 | 703003016 |
| HK0319C | HK0319A | 3/4 | 18,500 | 27,000 | 1.38 | 0.94 | 5.16 | 6.00 | 703003019 |




## EYE SLIP HOOK



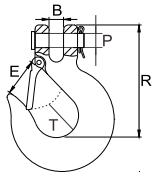
| Item No. | | Chain Size | W.L.L.(lbs) | | Dimensions(inch) | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | | inch | Carbon | Alloy | B | E | R | lbs | |
| HK0406C | HK0406A | 1/4 | 1,950 | 2,750 | 0.50 | 0.94 | 2.56 | 0.40 | 703004006 |
| HK0408C | HK0408A | 5/16 | 2,875 | 4,300 | 0.63 | 1.06 | 2.95 | 0.70 | 703004008 |
| HK0410C | HK0410A | 3/8 | 4,000 | 5,250 | 0.72 | 1.31 | 3.36 | 1.00 | 703004010 |
| HK0411C | HK0411A | 7/16 | 5,000 | 7,000 | 0.81 | 1.56 | 3.88 | 1.60 | 703004011 |
| HK0413C | HK0413A | 1/2 | 6,500 | 9,000 | 0.94 | 1.69 | 4.28 | 2.40 | 703004013 |
| HK0416C | HK0416A | 5/8 | 9,250 | 13,500 | 1.13 | 2.00 | 5.22 | 4.00 | 703004016 |
| HK0419C | HK0419A | 3/4 | 12,500 | 19,250 | 1.38 | 2.13 | 5.80 | 6.50 | 703004019 |




## CLEVIS SLIP HOOK WITH LATCH



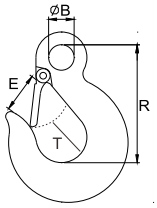
| Item No. | | Chain Size | W.L.L.(lbs) | | Dimensions(inch) | | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | inch | Carbon | Alloy | B | E | P | R | T | lbs | |
| HK0506C | HK0506A | 1/4 | 1,950 | 2,750 | 0.44 | 0.79 | 0.38 | 2.56 | 0.79 | 0.52 | 703005006 |
| HK0508C | HK0508A | 5/16 | 2,875 | 4,300 | 0.50 | 0.93 | 0.44 | 2.87 | 0.79 | 0.77 | 703005008 |
| HK0510C | HK0510A | 3/8 | 4,000 | 5,250 | 0.59 | 1.14 | 0.47 | 3.25 | 1.02 | 1.23 | 703005010 |
| HK0511C | HK0511A | 7/16 | 5,000 | 7,000 | 0.66 | 1.18 | 0.56 | 3.70 | 1.06 | 2.10 | 703005011 |
| HK0513C | HK0513A | 1/2 | 6,500 | 9,000 | 0.75 | 1.42 | 0.63 | 4.00 | 1.38 | 2.85 | 703005013 |
| HK0516C | HK0516A | 5/8 | 9,250 | 12,500 | 0.91 | 1.65 | 0.75 | 4.94 | 1.69 | 5.18 | 703005016 |
| HK0519C | HK0519A | 3/4 | 12,500 | 19,250 | 1.31 | 1.81 | 1.00 | 6.09 | 1.81 | 10.45 | 703005019 |
| HK0525C | HK0525A | 1 | 17,600 | 26,500 | 1.38 | 1.98 | 1.14 | 7.40 | 2.50 | 13.65 | 703005025 |




## EYE SLIP HOOK WITH LATCH



| Item No. | | Chain Size | W.L.L.(lbs) | | Dimensions(inch) | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|
| | | inch | Carbon | Alloy | B | E | P | T | lbs | |
| HK0606C | HK0606A | 1/4 | 1,950 | 2,750 | 0.50 | 0.75 | 2.56 | 0.79 | 0.42 | 703006006 |
| HK0608C | HK0608A | 5/16 | 2,875 | 4,300 | 0.63 | 0.88 | 2.95 | 0.79 | 0.72 | 703006008 |
| HK0610C | HK0610A | 3/8 | 4,000 | 5,250 | 0.72 | 1.10 | 3.36 | 1.02 | 1.03 | 703006010 |
| HK0611C | HK0611A | 7/16 | 5,000 | 7,000 | 0.81 | 1.25 | 3.88 | 1.06 | 1.64 | 703006011 |
| HK0613C | HK0613A | 1/2 | 6,500 | 9,000 | 0.94 | 1.38 | 4.28 | 1.30 | 2.45 | 703006013 |
| HK0616C | HK0616A | 5/8 | 9,250 | 13,500 | 1.13 | 1.45 | 5.22 | 1.53 | 4.13 | 703006016 |
| HK0619C | HK0619A | 3/4 | 12,500 | 19,250 | 1.38 | 1.59 | 5.80 | 1.62 | 6.76 | 703006019 |



# SNAP HOOK AND QUICK LINK

## SNAP HOOK, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| SHZ030 | 3 x 30 | 45 | 704001030 |
| SHZ040 | 4 x 40 | 80 | 704001040 |
| SHZ050 | 5 x 50 | 100 | 704001050 |
| SHZ060 | 6 x 60 | 140 | 704001060 |
| SHZ070 | 7 x 70 | 200 | 704001070 |
| SHZ080 | 8 x 80 | 250 | 704001080 |
| SHZ090 | 9 x 90 | 280 | 704001090 |
| SHZ100 | 10 x 100 | 400 | 704001100 |
| SHZ110 | 11 x 120 | 500 | 704001110 |
| SHZ120 | 12 x 140 | 600 | 704001120 |
| SHZ130 | 13 x 160 | 700 | 704001130 |
| SHZ140 | 14 x 180 | 900 | 704001140 |

## SNAP HOOK WITH EYELET, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| SHE040 | 4 x 40 | 80 | 704002040 |
| SHE050 | 5 x 50 | 100 | 704002050 |
| SHE060 | 6 x 60 | 140 | 704002060 |
| SHE070 | 7 x 70 | 200 | 704002070 |
| SHE080 | 8 x 80 | 250 | 704002080 |
| SHE090 | 9 x 90 | 280 | 704002090 |
| SHE100 | 10 x 100 | 400 | 704002100 |
| SHE110 | 11 x 120 | 500 | 704002110 |
| SHE120 | 12 x 140 | 600 | 704002120 |
| SHE130 | 13 x 160 | 700 | 704002130 |
| SHE140 | 14 x 180 | 900 | 704002140 |

## EGG TYPE SNAP HOOK, ZINC PLATED



| Item No. | Size /mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| ESH050 | 5 x 50 | 100 | 704003050 |
| ESH060 | 6 x 60 | 140 | 704003060 |
| ESH070 | 7 x 70 | 200 | 704003070 |
| ESH080 | 8 x 80 | 250 | 704003080 |
| ESH090 | 9 x 90 | 280 | 704003090 |
| ESH100 | 10 x 100 | 400 | 704003100 |
| ESH110 | 11 x 120 | 500 | 704003110 |
| ESH120 | 12 x 140 | 600 | 704003120 |

## QUICK LINK, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| QLZ035 | 3.5 | 175 | 704004035 |
| QLZ040 | 4 | 500 | 704004040 |
| QLZ050 | 5 | 650 | 704004050 |
| QLZ060 | 6 | 875 | 704004060 |
| QLZ070 | 7 | 1200 | 704004070 |
| QLZ080 | 8 | 1525 | 704004080 |
| QLZ090 | 9 | 1975 | 704004090 |
| QLZ100 | 10 | 2300 | 704004100 |
| QLZ110 | 11 | 2400 | 704004120 |
| QLZ120 | 12 | 2500 | 704004140 |
| QLZ140 | 14 | 2800 | 704004160 |

## WELDED ROUND RING, ZINC PLATED



| Item No. | Dia. X I.L. (mm) | Product Code | Item No. | Dia. X I.L. (mm) | Product Code |
|---|---|---|---|---|---|
| WR03025 | 3 x 25 | 704005325 | WR06050 | 6 x 50 | 704005650 |
| WR04025 | 4 x 25 | 704005425 | WR06060 | 6 x 60 | 704005660 |
| WR04030 | 4 x 30 | 704005430 | WR07035 | 7 x 35 | 704005735 |
| WR04040 | 4 x 40 | 704005440 | WR08040 | 8 x 40 | 704005840 |
| WR05030 | 5 x 30 | 704005530 | WR08050 | 8 x 50 | 704005850 |
| WR05040 | 5 x 40 | 704005540 | WR10050 | 10 x 50 | 704005105 |
| WR05050 | 5 x 50 | 704005550 | WR10070 | 10 x 70 | 704005107 |
| WR06030 | 6 x 30 | 704005630 | WR12060 | 12 x 60 | 704005126 |
| WR06040 | 6 x 40 | 704005640 | WR12100 | 12 x 100 | 704005121 |

## SNAP HOOK WITH SCREW, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| SHS040 | 4 x 40 | 80 | 704006040 |
| SHS050 | 5 x 50 | 100 | 704006050 |
| SHS060 | 6 x 60 | 140 | 704006060 |
| SHS070 | 7 x 70 | 200 | 704006070 |
| SHS080 | 8 x 80 | 250 | 704006080 |
| SHS090 | 9 x 90 | 280 | 704006090 |
| SHS100 | 10 x 100 | 400 | 704006100 |
| SHS110 | 11 x 120 | 500 | 704006110 |
| SHS120 | 12 x 140 | 600 | 704006120 |
| SHS130 | 13 x 160 | 700 | 704006130 |
| SHS140 | 14 x 180 | 900 | 704006140 |

## SNAP HOOK WITH EYELET AND SCREW, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| SHES040 | 4 x 40 | 80 | 704007040 |
| SHES050 | 5 x 50 | 100 | 704007050 |
| SHES060 | 6 x 60 | 140 | 704007060 |
| SHES070 | 7 x 70 | 200 | 704007070 |
| SHES080 | 8 x 80 | 250 | 704007080 |
| SHES090 | 9 x 90 | 280 | 704007090 |
| SHES100 | 10 x 100 | 400 | 704007100 |
| SHES110 | 11 x 120 | 500 | 704007110 |
| SHES120 | 12 x 140 | 600 | 704007120 |
| SHES130 | 13 x 160 | 700 | 704007130 |
| SHES140 | 14 x 180 | 900 | 704007140 |

## STRAIGHT SNAP HOOK, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| SSH050 | 5 x 50 | 100 | 704008050 |
| SSH060 | 6 x 60 | 140 | 704008060 |
| SSH080 | 8 x 80 | 250 | 704008080 |
| SSH100 | 10 x 100 | 400 | 704008100 |
| SSH110 | 11 x 120 | 500 | 704008110 |

## WIDE JAW QUICK LINK, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| WQL035 | 3.5 | 175 | 704009035 |
| WQL050 | 5 | 650 | 704009050 |
| WQL060 | 6 | 875 | 704009060 |
| WQL080 | 8 | 1525 | 704009080 |
| WQL100 | 10 | 2300 | 704009100 |
| WQL120 | 12 | 2500 | 704009120 |

## DELTA SHAPED QUICK LINK, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| DQL035 | 3.5 | 120 | 704010035 |
| DQL050 | 5 | 450 | 704010050 |
| DQL060 | 6 | 600 | 704010060 |
| DQL080 | 8 | 1100 | 704010080 |
| DQL100 | 10 | 1500 | 704010100 |
| DQL120 | 12 | 1650 | 704010120 |
| DQL140 | 14 | 1900 | 704010140 |

## PEAR SHAPED QUICK LINK, ZINC PLATED



| Item No. | Size / mm | W.L.L./ lbs | Product Code |
|---|---|---|---|
| PQLZ035 | 3.5 | 120 | 704011035 |
| PQLZ040 | 4 | 350 | 704011040 |
| PQLZ050 | 5 | 450 | 704011050 |
| PQLZ060 | 6 | 600 | 704011060 |
| PQLZ080 | 8 | 1100 | 704011080 |
| PQLZ090 | 9 | 1300 | 704011090 |
| PQLZ100 | 10 | 1500 | 704011100 |
| PQLZ120 | 12 | 1650 | 704011120 |

# SNAP HOOK AND QUICK LINK

## HAIR PIN, ZINC PLATED



| Item No. | Size/mm | Product Code |
|---|---|---|
| HPZP020 | 2 | 704012020 |
| HPZP025 | 2.5 | 704012025 |
| HPZP030 | 3 | 704012030 |
| HPZP037 | 3.7 | 704012037 |
| HPZP040 | 4 | 704012040 |
| HPZP050 | 5 | 704012050 |
| HPZP060 | 6 | 704012060 |
| HPZP080 | 8 | 704012080 |

## HAIR PIN WITH EYELET, ZINC PLATED



| Item No. | Size/mm | Product Code |
|---|---|---|
| HPE020 | 2 | 704019020 |
| HPE025 | 2.5 | 704019025 |
| HPE030 | 3 | 704019030 |
| HPE037 | 3.7 | 704019037 |
| HPE040 | 4 | 704019040 |
| HPE050 | 5 | 704019050 |
| HPE060 | 6 | 704019060 |
| HPE080 | 8 | 704019080 |

## S HOOK, ZINC PLATED



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| SKZ030 | 3 x 25 | 3 | 25 | 704013030 |
| SKZ040 | 4 x 35 | 4 | 35 | 704013040 |
| SKZ050 | 5 x 45 | 5 | 45 | 704013050 |
| SKZ060 | 6 x 55 | 6 | 55 | 704013060 |
| SKZ070 | 7 x 65 | 7 | 65 | 704013070 |
| SKZ080 | 8 x 75 | 8 | 75 | 704013080 |
| SKZ100 | 10 x 105 | 10 | 105 | 704013100 |
| SKZ120 | 12 x 120 | 12 | 120 | 704013120 |

## D RING, ZINC PLATED



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| DRZ030 | 3 x 25 | 3 | 25 | 704020030 |
| DRZ040 | 4 x 30 | 4 | 30 | 704020040 |
| DRZ050 | 5 x 40 | 5 | 40 | 704020050 |
| DRZ060 | 6 x 50 | 6 | 50 | 704020060 |
| DRZ080 | 8 x 50 | 8 | 50 | 704020080 |

## ROPE SHORTENING WITH TONGUE, ZINC PLATED



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| RST0560 | 5 x 60 | 5 | 60 | 704014560 |
| RST0660 | 6 x 60 | 6 | 60 | 704014660 |
| RST0670 | 6 x 70 | 6 | 70 | 704014670 |
| RST0775 | 7 x 75 | 7 | 70 | 704014775 |
| RST0870 | 8 x 70 | 8 | 75 | 704014870 |
| RST0880 | 8 x 80 | 8 | 80 | 704014880 |
| RST0990 | 9 x 90 | 9 | 90 | 704014990 |
| RST1010 | 10 x 100 | 10 | 100 | 704014101 |

## ROPE SHORTENING WITHOUT TONGUE, ZINC PLATED



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| RSH0560 | 5 x 60 | 5 | 60 | 704021560 |
| RSH0660 | 6 x 60 | 6 | 60 | 704021660 |
| RSH0670 | 6 x 70 | 6 | 70 | 704021670 |
| RSH0775 | 7 x 75 | 7 | 70 | 704021775 |
| RSH0870 | 8 x 70 | 8 | 75 | 704021870 |
| RSH0880 | 8 x 80 | 8 | 80 | 704021880 |
| RSH0990 | 9 x 90 | 9 | 90 | 704021990 |
| RSH1010 | 10 x 100 | 10 | 100 | 704021101 |

## ALUMINIUM SNAP HOOK CARBINE A TYPE



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASA0550 | 5 x 50 | 5 | 50 | 704015550 |
| ASA0660 | 6 x 60 | 6 | 60 | 704015660 |
| ASA0770 | 7 x 70 | 7 | 70 | 704015770 |
| ASA0880 | 8 x 80 | 8 | 80 | 704015880 |
| ASA1010 | 10 x 100 | 10 | 100 | 704015101 |

## ALUMINIUM SNAP HOOK CARBINE B TYPE



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASB0550 | 5 x 50 | 5 | 50 | 704022550 |
| ASB0660 | 6 x 60 | 6 | 60 | 704022660 |
| ASB0770 | 7 x 70 | 7 | 70 | 704022770 |
| ASB0880 | 8 x 80 | 8 | 80 | 704022880 |

## ALUMINIUM SNAP HOOK D TYPE



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASD0550 | 5 x 50 | 5 | 50 | 704016550 |
| ASD0660 | 6 x 60 | 6 | 60 | 704016660 |
| ASD0770 | 7 x 70 | 7 | 70 | 704016770 |
| ASD0880 | 8 x 80 | 8 | 80 | 704016880 |
| ASD1010 | 10 x 100 | 10 | 100 | 704016101 |

## ALUMINIUM SNAP HOOK D1 TYPE



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASD10550 | 5 x 50 | 5 | 50 | 704023550 |
| ASD10660 | 6 x 60 | 6 | 60 | 704023660 |
| ASD10770 | 7 x 70 | 7 | 70 | 704023770 |
| ASD10880 | 8 x 80 | 8 | 80 | 704023880 |

## ALUMINIUM SNAP HOOK D TYPE WITH PIN



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASP0550 | 5 x 50 | 5 | 50 | 704017550 |
| ASP0660 | 6 x 60 | 6 | 60 | 704017660 |
| ASP0770 | 7 x 70 | 7 | 70 | 704017770 |
| ASP0880 | 8 x 80 | 8 | 80 | 704017880 |
| ASP1010 | 10 x 100 | 10 | 100 | 704017101 |

## ALUMINIUM SNAP HOOK EGG TYPE



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASG0550 | 5 x 50 | 5 | 50 | 704024550 |
| ASG0660 | 6 x 60 | 6 | 60 | 704024660 |
| ASG0770 | 7 x 70 | 7 | 70 | 704024770 |
| ASG0880 | 8 x 80 | 8 | 80 | 704024880 |
| ASG1010 | 10 x 100 | 10 | 100 | 704024101 |

## ALUMINIUM SNAP HOOK WITH EYELET AND KEY RING



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASE0550 | 5 x 50 | 5 | 50 | 704018550 |
| ASE0660 | 6 x 60 | 6 | 60 | 704018660 |
| ASE0770 | 7 x 70 | 7 | 70 | 704018770 |
| ASE0880 | 8 x 80 | 8 | 80 | 704018880 |
| ASE1010 | 10 x 100 | 10 | 100 | 704018101 |

## ALUMINIUM SNAP HOOK WITH BRASS SCREW



| Item No. | Size/mm | Dia./mm | Length/mm | Product Code |
|---|---|---|---|---|
| ASS0355 | 3MM | 3 | 55 | 704025355 |

# STAINLESS STEEL HARDWARE

## S. S. SNAP HOOK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-SK04040 | 4 x 40 | 80 | 704101040 |
| S-SK05050 | 5 x 50 | 100 | 704101050 |
| S-SK06060 | 6 x 60 | 140 | 704101060 |
| S-SK07070 | 7 x 70 | 200 | 704101070 |
| S-SK08080 | 8 x 80 | 250 | 704101080 |
| S-SK09090 | 9 x 90 | 280 | 704101090 |
| S-SK10100 | 10 x 100 | 400 | 704101100 |
| S-SK11120 | 11 x 120 | 500 | 704101120 |
| S-SK12140 | 12 x 140 | 600 | 704101140 |
| S-SK13160 | 13 x 160 | 700 | 704101160 |
| S-SK14180 | 14 x 180 | 900 | 704101180 |

## S. S. SNAP HOOK WITH SCREW



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-SKS04040 | 4 x 40 | 80 | 704102040 |
| S-SKS05050 | 5 x 50 | 100 | 704102050 |
| S-SKS06060 | 6 x 60 | 140 | 704102060 |
| S-SKS07070 | 7 x 70 | 200 | 704102070 |
| S-SKS08080 | 8 x 80 | 250 | 704102080 |
| S-SKS09090 | 9 x 90 | 280 | 704102090 |
| S-SKS10100 | 10 x 100 | 400 | 704102100 |
| S-SKS11120 | 11 x 120 | 500 | 704102120 |
| S-SKS12140 | 12 x 140 | 600 | 704102140 |
| S-SKS13160 | 13 x 160 | 700 | 704102160 |
| S-SKS14180 | 14 x 180 | 900 | 704102180 |

## S. S. EGG TYPE SNAP HOOK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-ESH05050 | 5 x 50 | 100 | 704103050 |
| S-ESH06060 | 6 x 60 | 140 | 704103060 |
| S-ESH07070 | 7 x 70 | 200 | 704103070 |
| S-ESH08080 | 8 x 80 | 250 | 704103080 |
| S-ESH09090 | 9 x 90 | 280 | 704103090 |
| S-ESH10100 | 10 x 100 | 400 | 704103100 |
| S-ESH11120 | 11 x 120 | 500 | 704103120 |
| S-ESH12140 | 12 x 140 | 600 | 704103140 |

## S. S. OBLIQUE ANGLE SNAP HOOK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-OAS05050 | 5 x 50 | 100 | 704104050 |
| S-OAS06060 | 6 x 60 | 140 | 704104060 |
| S-OAS08080 | 8 x 80 | 250 | 704104080 |
| S-OAS10100 | 10 x 100 | 400 | 704104100 |
| S-OAS11120 | 11 x 120 | 500 | 704104120 |

## S. S. OBLIQUE ANGLE SNAP HOOK WITH EYELET & PIN



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-OES05050 | 5 x 50 | 100 | 704105050 |
| S-OES06060 | 6 x 60 | 140 | 704105060 |
| S-OES08080 | 8 x 80 | 250 | 704105080 |
| S-OES10100 | 10 x 100 | 400 | 704105100 |
| S-OES11120 | 11 x 120 | 500 | 704105120 |

## S. S. WIDE JAW QUICK LINK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-WQL003 | 3.5 | 175 | 704106003 |
| S-WQL005 | 5 | 650 | 704106005 |
| S-WQL006 | 6 | 875 | 704106006 |
| S-WQL008 | 8 | 1525 | 704106008 |
| S-WQL010 | 10 | 2300 | 704106010 |
| S-WQL012 | 12 | 2500 | 704106012 |

## S. S. SNAP HOOK WITH EYELET



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-SKE04040 | 4 x 40 | 80 | 704107040 |
| S-SKE05050 | 5 x 50 | 100 | 704107050 |
| S-SKE06060 | 6 x 60 | 140 | 704107060 |
| S-SKE07070 | 7 x 70 | 200 | 704107070 |
| S-SKE08080 | 8 x 80 | 250 | 704107080 |
| S-SKE09090 | 9 x 90 | 280 | 704107090 |
| S-SKE10100 | 10 x 100 | 400 | 704107100 |
| S-SKE11120 | 11 x 120 | 500 | 704107120 |
| S-SKE12140 | 12 x 140 | 600 | 704107140 |
| S-SKE13160 | 13 x 160 | 700 | 704107160 |
| S-SKE14180 | 14 x 180 | 900 | 704107180 |

## S. S. SNAP HOOK WITH EYELET AND SCREW



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-SES05050 | 5 x 50 | 100 | 704108050 |
| S-SES06060 | 6 x 60 | 140 | 704108060 |
| S-SES07070 | 7 x 70 | 200 | 704108070 |
| S-SES08080 | 8 x 80 | 250 | 704108080 |
| S-SES09090 | 9 x 90 | 280 | 704108090 |
| S-SES10100 | 10 x 100 | 400 | 704108100 |
| S-SES11120 | 11 x 120 | 500 | 704108120 |
| S-SES12140 | 12 x 140 | 600 | 704108140 |
| S-SES13160 | 13 x 160 | 700 | 704108160 |
| S-SES14180 | 14 x 180 | 900 | 704108180 |

## S. S. STRAIGHT SNAP HOOK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-SSH05050 | 5 x 50 | 100 | 704109050 |
| S-SSH06060 | 6 x 60 | 140 | 704109060 |
| S-SSH08080 | 8 x 80 | 250 | 704109080 |
| S-SSH10100 | 10 x 100 | 400 | 704109100 |
| S-SSH11120 | 11 x 120 | 500 | 704109120 |

## S. S. OBLIQUE ANGLE SNAP HOOK WITH EYELET



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-OAE05050 | 5 x 50 | 100 | 704110050 |
| S-OAE06060 | 6 x 60 | 140 | 704110060 |
| S-OAE08080 | 8 x 80 | 250 | 704110080 |
| S-OAE10100 | 10 x 100 | 400 | 704110100 |
| S-OAE11120 | 11 x 120 | 500 | 704110120 |

## S. S. QUICK LINK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-QL003 | 3.5 | 175 | 704111003 |
| S-QL004 | 4 | 500 | 704111004 |
| S-QL005 | 5 | 650 | 704111005 |
| S-QL006 | 6 | 875 | 704111006 |
| S-QL007 | 7 | 1200 | 704111007 |
| S-QL008 | 8 | 1525 | 704111008 |
| S-QL009 | 9 | 1975 | 704111009 |
| S-QL010 | 10 | 2300 | 704111010 |
| S-QL012 | 12 | 2500 | 704111012 |
| S-QL014 | 14 | 2800 | 704111014 |

## S. S. PEAR SHAPED QUICK LINK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-PQL003 | 3.5 | 120 | 704112003 |
| S-PQL004 | 4 | 350 | 704112004 |
| S-PQL005 | 5 | 450 | 704112005 |
| S-PQL006 | 6 | 600 | 704112006 |
| S-PQL008 | 8 | 1100 | 704112008 |
| S-PQL009 | 9 | 1300 | 704112009 |
| S-PQL010 | 10 | 1500 | 704112010 |
| S-PQL012 | 12 | 1650 | 704112012 |

# STAINLESS STEEL HARDWARE

## S.S. DELTA SHAPED QUICK LINK



| Item No. | Size/mm | W.L.L./lbs | Product Code |
|---|---|---|---|
| S-DQL003 | 3.5 | 120 | 704113003 |
| S-DQL005 | 5 | 450 | 704113005 |
| S-DQL006 | 6 | 600 | 704113006 |
| S-DQL008 | 8 | 1100 | 704113008 |
| S-DQL010 | 10 | 1500 | 704113010 |
| S-DQL012 | 12 | 1650 | 704113012 |
| S-DQL014 | 14 | 1900 | 704113014 |

## S. S. D RING



| Item No. | Size/mm | I.W. of Eye/mm | Product Code |
|---|---|---|---|
| S-DR03025 | 3 | 25 | 704118325 |
| S-DR04025 | 4 | 25 | 704118425 |
| S-DR04030 | 4 | 30 | 704118430 |
| S-DR05030 | 5 | 30 | 704118530 |
| S-DR05040 | 5 | 40 | 704118540 |
| S-DR05050 | 5 | 50 | 704118550 |
| S-DR06050 | 6 | 50 | 704118650 |
| S-DR08060 | 8 | 60 | 704118860 |

## S. S. S HOOK



| Item No. | Size /mm | Product Code |
|---|---|---|
| S-SH003 | 3 x 25 | 704114003 |
| S-SH004 | 4 x 35 | 704114004 |
| S-SH005 | 5 x 45 | 704114005 |
| S-SH006 | 6 x 55 | 704114006 |
| S-SH007 | 7 x 65 | 704114007 |
| S-SH008 | 8 x 75 | 704114008 |
| S-SH010 | 10 x 105 | 704114010 |
| S-SH012 | 12 x 120 | 704114012 |

## S. S. WELDED ROUND RING



| Item No. | DIA. x I.L. mm | Product Code | Item No. | DIA. x I.L. mm | Product Code |
|---|---|---|---|---|---|
| S-WR03025 | 3 x 25 | 704119325 | S-WR06040 | 6 x 40 | 704119640 |
| S-WR04025 | 4 x 25 | 704119425 | S-WR06050 | 6 x 50 | 704119650 |
| S-WR04030 | 4 x 30 | 704119430 | S-WR06060 | 6 x 60 | 704119660 |
| S-WR04040 | 4 x 40 | 704119440 | S-WR07035 | 7 x 35 | 704119735 |
| S-WR05030 | 5 x 30 | 704119530 | S-WR08040 | 8 x 40 | 704119840 |
| S-WR05040 | 5 x 40 | 704119540 | S-WR08050 | 8 x 50 | 704119850 |
| S-WR05050 | 5 x 50 | 704119550 | S-WR10050 | 10 x 50 | 704119105 |
| S-WR06030 | 6 x 30 | 704119630 | S-WR10070 | 10 x 70 | 704119107 |

## S. S. RIGGING SCREW JAW/JAW



| Item No. | Size | Length (min.-max.) | Product Code |
|---|---|---|---|
| S-TBS005 | M5 | 130-190mm | 704115005 |
| S-TBS006 | M6 | 150-220mm | 704115006 |
| S-TBS008 | M8 | 180-225mm | 704115008 |
| S-TBS010 | M10 | 200-300mm | 704115010 |
| S-TBS012 | M12 | 270-385mm | 704115012 |
| S-TBS014 | M14 | 300-425mm | 704115014 |
| S-TBS016 | M16 | 330-480mm | 704115016 |
| S-TBS020 | M20 | 360-540mm | 704115020 |

## S. S. RIGGING SCREW JAW/SWAGE STUD



| Item No. | Size | Wire rope Dia. mm | Length (min.-max.) | Product Code |
|---|---|---|---|---|
| S-TBJ005 | M5 | 2.5 | 130-190mm | 704120005 |
| S-TBJ006 | M6 | 3 | 150-220mm | 704120006 |
| S-TBJ008 | M8 | 4 | 180-225mm | 704120008 |
| S-TBJ010 | M10 | 5 | 200-300mm | 704120010 |
| S-TBJ012 | M12 | 6 | 270-385mm | 704120012 |
| S-TBJ014 | M14 | 7 | 300-425mm | 704120014 |
| S-TBJ016 | M16 | 8 | 350-475mm | 704120016 |
| S-TBJ020 | M20 | 10 | 390-540mm | 704120020 |

## S.S. U.S. TYPE SCREW PIN CHAIN SHACKLE



| Item No. | Size inch | W.L.L. lbs | Pin Dia. inch | Weight kg | Product Code |
|---|---|---|---|---|---|
| S-CS005 | 3/16 | 300 | 1/4 | 0.017 | 704116005 |
| S-CS006 | 1/4 | 450 | 5/16 | 0.030 | 704116006 |
| S-CS008 | 5/16 | 650 | 3/8 | 0.065 | 704116008 |
| S-CS010 | 3/8 | 1000 | 7/16 | 0.125 | 704116010 |
| S-CS011 | 7/16 | 1450 | 1/2 | 0.184 | 704116011 |
| S-CS013 | 1/2 | 1990 | 5/8 | 0.230 | 704116013 |
| S-CS016 | 5/8 | 3050 | 3/4 | 0.510 | 704116016 |
| S-CS019 | 3/4 | 4475 | 7/8 | 0.930 | 704116019 |
| S-CS022 | 7/8 | 6000 | 1 | 1.270 | 704116022 |
| S-CS025 | 1 | 7950 | 1-1/8 | 1.871 | 704116025 |
| S-CS028 | 1-1/8 | 10500 | 1-1/4 | 2.950 | 704116028 |
| S-CS032 | 1-1/4 | 13600 | 1-3/8 | 4.000 | 704116032 |

## S. S. U.S. TYPE SCREW PIN ANCHOR SHACKLE



| Item No. | Size inch | W.L.L. lbs | Pin Dia. inch | Weight kg | Product Code |
|---|---|---|---|---|---|
| S-AS005 | 3/16 | 300 | 1/4 | 0.021 | 704121005 |
| S-AS006 | 1/4 | 450 | 5/16 | 0.036 | 704121006 |
| S-AS008 | 5/16 | 650 | 3/8 | 0.077 | 704121008 |
| S-AS010 | 3/8 | 1000 | 7/16 | 0.138 | 704121010 |
| S-AS011 | 7/16 | 1450 | 1/2 | 0.175 | 704121011 |
| S-AS013 | 1/2 | 1990 | 5/8 | 0.261 | 704121013 |
| S-AS016 | 5/8 | 3050 | 3/4 | 0.552 | 704121016 |
| S-AS019 | 3/4 | 4475 | 7/8 | 1.020 | 704121019 |
| S-AS022 | 7/8 | 6000 | 1 | 1.600 | 704121022 |
| S-AS025 | 1 | 7950 | 1-1/8 | 2.400 | 704121025 |
| S-AS028 | 1-1/8 | 10500 | 1-1/4 | 3.140 | 704121028 |
| S-AS032 | 1-1/4 | 13600 | 1-3/8 | 4.380 | 704121032 |

## S. S. EUROPEAN TYPE LARGE DEE SHACKLE



| Item No. | Size mm | W.L.L. kg | I.L. mm | Weight kg | Product Code |
|---|---|---|---|---|---|
| S-LDS004 | 4 | 55 | 16 | 0.008 | 704117004 |
| S-LDS005 | 5 | 80 | 20 | 0.014 | 704117005 |
| S-LDS006 | 6 | 100 | 24 | 0.027 | 704117006 |
| S-LDS008 | 8 | 200 | 32 | 0.064 | 704117008 |
| S-LDS010 | 10 | 320 | 40 | 0.120 | 704117010 |
| S-LDS012 | 12 | 520 | 48 | 0.210 | 704117012 |
| S-LDS016 | 16 | 800 | 64 | 0.500 | 704117016 |
| S-LDS020 | 20 | 1100 | 76 | 0.880 | 704117020 |
| S-LDS022 | 22 | 1500 | 88 | 1.400 | 704117022 |
| S-LDS025 | 25 | 2100 | 100 | 2.080 | 704117025 |
| S-LDS028 | 28 | 3000 | 112 | 2.500 | 704117028 |
| S-LDS032 | 32 | 3500 | 128 | 3.260 | 704117032 |

## S. S. EUROPEAN TYPE LARGE BOW SHACKLE



| Item No. | Size mm | W.L.L. kg | I.L. mm | Weight kg | Product Code |
|---|---|---|---|---|---|
| S-LBS004 | 4 | 55 | 16 | 0.009 | 704122004 |
| S-LBS005 | 5 | 80 | 20 | 0.015 | 704122005 |
| S-LBS006 | 6 | 100 | 24 | 0.030 | 704122006 |
| S-LBS008 | 8 | 200 | 32 | 0.065 | 704122008 |
| S-LBS010 | 10 | 320 | 40 | 0.120 | 704122010 |
| S-LBS012 | 12 | 520 | 48 | 0.250 | 704122012 |
| S-LBS016 | 16 | 800 | 64 | 0.520 | 704122016 |
| S-LBS020 | 20 | 1100 | 76 | 0.930 | 704122020 |
| S-LBS022 | 22 | 1500 | 88 | 1.620 | 704122022 |
| S-LBS025 | 25 | 2100 | 100 | 2.250 | 704122025 |
| S-LBS028 | 28 | 3000 | 112 | 2.850 | 704122028 |
| S-LBS032 | 32 | 3500 | 128 | 3.720 | 704122032 |

# STAINLESS STEEL HARDWARE

## S.S. DIN580 EYE BOLT



| Item No. | Size | Weight/kg | Product Code |
|---|---|---|---|
| S-EB006 | M6 | 0.032 | 704123006 |
| S-EB008 | M8 | 0.055 | 704123008 |
| S-EB010 | M10 | 0.100 | 704123010 |
| S-EB012 | M12 | 0.150 | 704123012 |
| S-EB014 | M14 | 0.210 | 704123014 |
| S-EB016 | M16 | 0.278 | 704123016 |
| S-EB018 | M18 | 0.440 | 704123018 |
| S-EB020 | M20 | 0.405 | 704123020 |
| S-EB024 | M24 | 0.873 | 704123024 |
| S-EB030 | M30 | 1.740 | 704123030 |
| S-EB036 | M36 | 2.400 | 704123036 |

## S. S. EXTRA HEAVY DUTY WIRE ROPE THIMBLE U.S. TYPE



| Item No. | Size/inch | Weight/kg | Product Code |
|---|---|---|---|
| S-T0104 | 1/4 | 0.028 | 704124104 |
| S-T0516 | 5/16 | 0.054 | 704124516 |
| S-T0308 | 3/8 | 0.107 | 704124308 |
| S-T0716 | 7/16 | 0.147 | 704124716 |
| S-T0102 | 1/2 | 0.240 | 704124102 |
| S-T0916 | 9/16 | 0.240 | 704124916 |
| S-T0508 | 5/8 | 0.330 | 704124508 |
| S-T0304 | 3/4 | 0.690 | 704124304 |
| S-T0708 | 7/8 | 0.830 | 704124708 |
| S-T0101 | 1 | 1.200 | 704124101 |

## S.S. EUROPEAN COMMERCIAL THIMBLE



| Item No. | Size/mm | Weight/kg | Product Code |
|---|---|---|---|
| S-T2003 | 3 | 0.004 | 704125003 |
| S-T2004 | 4 | 0.005 | 704125004 |
| S-T2005 | 5 | 0.007 | 704125005 |
| S-T2006 | 6 | 0.010 | 704125006 |
| S-T2008 | 8 | 0.021 | 704125008 |
| S-T2010 | 10 | 0.033 | 704125010 |
| S-T2012 | 12 | 0.055 | 704125012 |
| S-T2014 | 14 | 0.103 | 704125014 |
| S-T2016 | 16 | 0.124 | 704125016 |
| S-T2020 | 20 | 0.266 | 704125020 |
| S-T2022 | 22 | 0.326 | 704125022 |
| S-T2024 | 24 | 0.451 | 704125024 |
| S-T2028 | 28 | 0.739 | 704125028 |

## S. S. WIRE ROPE CLIP U.S. TYPE



| Item No. | Size/inch | Weight/kg | Product Code |
|---|---|---|---|
| S-C0108 | 1/8 | 0.020 | 704126108 |
| S-C0316 | 3/16 | 0.030 | 704126316 |
| S-C0104 | 1/4 | 0.060 | 704126104 |
| S-C0516 | 5/16 | 0.070 | 704126516 |
| S-C0308 | 3/8 | 0.120 | 704126308 |
| S-C0102 | 1/2 | 0.170 | 704126102 |
| S-C0508 | 5/8 | 0.280 | 704126508 |
| S-C0304 | 3/4 | 0.330 | 704126304 |
| S-C0708 | 7/8 | 0.530 | 704126708 |
| S-C0101 | 1 | 0.670 | 704126101 |

## S. S. DIN 741 WIRE ROPE CLIP



| Item No. | Size/mm | Weight/kg | Product Code |
|---|---|---|---|
| S-C2030 | 3 | 0.014 | 704127030 |
| S-C2050 | 5 | 0.015 | 704127050 |
| S-C2065 | 6.5 | 0.020 | 704127065 |
| S-C2080 | 8 | 0.040 | 704127080 |
| S-C2100 | 10 | 0.070 | 704127100 |
| S-C2110 | 11 | 0.100 | 704127110 |
| S-C2130 | 13 | 0.130 | 704127130 |
| S-C2160 | 16 | 0.210 | 704127160 |
| S-C2190 | 19 | 0.280 | 704127190 |
| S-C2220 | 22 | 0.400 | 704127225 |
| S-C2250 | 25 | 0.440 | 704127250 |
| S-C2320 | 32 | 0.660 | 704127320 |
| S-C2340 | 34 | 0.850 | 704127340 |
| S-C2400 | 40 | 1.040 | 704127400 |

## S.S. DIN582 EYE NUT



| Item No. | Size | Weight/kg | Product Code |
|---|---|---|---|
| S-EN006 | M6 | 0.026 | 704129006 |
| S-EN008 | M8 | 0.046 | 704129008 |
| S-EN010 | M10 | 0.091 | 704129010 |
| S-EN012 | M12 | 0.150 | 704129012 |
| S-EN014 | M14 | 0.200 | 704129014 |
| S-EN016 | M16 | 0.235 | 704129016 |
| S-EN018 | M18 | 0.340 | 704129018 |
| S-EN020 | M20 | 0.363 | 704129020 |
| S-EN024 | M24 | 0.714 | 704129024 |
| S-EN030 | M30 | 1.800 | 704129030 |
| S-EN036 | M36 | 2.650 | 704129036 |

## S. S. STANDARD WIRE ROPE THIMBLE U.S. TYPE



| Item No. | Size/inch | Weight/kg | Product Code |
|---|---|---|---|
| S-T1108 | 1/8 | 0.015 | 704130108 |
| S-T1316 | 3/16 | 0.015 | 704130316 |
| S-T1104 | 1/4 | 0.015 | 704130104 |
| S-T1516 | 5/16 | 0.019 | 704130516 |
| S-T1308 | 3/8 | 0.031 | 704130308 |
| S-T1102 | 1/2 | 0.060 | 704130102 |
| S-T1508 | 5/8 | 0.167 | 704130508 |
| S-T1304 | 3/4 | 0.262 | 704130304 |
| S-T1708 | 7/8 | 0.403 | 704130708 |
| S-T1101 | 1 | 0.476 | 704130101 |

## S. S. WIRE ROPE CLIP U.S. HEAVY DUTY TYPE



| Item No. | Size/inch | Weight/kg | Product Code |
|---|---|---|---|
| S-C1108 | 1/8 | 0.023 | 704132108 |
| S-C1316 | 3/16 | 0.041 | 704132316 |
| S-C1104 | 1/4 | 0.083 | 704132104 |
| S-C1516 | 5/16 | 0.142 | 704132516 |
| S-C1308 | 3/8 | 0.193 | 704132308 |
| S-C1716 | 7/16 | 0.325 | 704132716 |
| S-C1102 | 1/2 | 0.345 | 704132102 |
| S-C1916 | 9/16 | 0.450 | 704132916 |
| S-C1508 | 5/8 | 0.460 | 704132508 |
| S-C1304 | 3/4 | 0.690 | 704132304 |
| S-C1708 | 7/8 | 1.110 | 704132708 |
| S-C1101 | 1 | 1.150 | 704132101 |

## S. S. WIRE ROPE CLIP JIS TYPE



| Item No. | Size/mm | Weight/kg | Product Code |
|---|---|---|---|
| S-C3006 | 6 | 0.05 | 704133006 |
| S-C3008 | 8 | 0.08 | 704133008 |
| S-C3010 | 10 | 0.15 | 704133010 |
| S-C3012 | 12 | 0.25 | 704133012 |
| S-C3014 | 14 | 0.29 | 704133014 |
| S-C3016 | 16 | 0.35 | 704133016 |
| S-C3018 | 18 | 0.45 | 704133018 |
| S-C3022 | 20-22 | 0.95 | 704133022 |
| S-C3025 | 24-25 | 1.25 | 704133025 |

## S. S. HAIR PIN WITH EYELET



| Item No. | Size/mm | Product Code |
|---|---|---|
| S-HPE002 | 2 | 704134002 |
| S-HPE003 | 3 | 704134003 |
| S-HPE004 | 4 | 704134004 |
| S-HPE005 | 5 | 704134005 |
| S-HPE006 | 6 | 704134006 |
| S-HPE008 | 8 | 704134008 |

## S. S. HAIR PIN



| Item No. | Size/mm | Product Code |
|---|---|---|
| S-HP002 | 2 | 704128002 |
| S-HP003 | 3 | 704128003 |
| S-HP004 | 4 | 704128004 |
| S-HP005 | 5 | 704128005 |
| S-HP006 | 6 | 704128006 |
| S-HP008 | 8 | 704128008 |

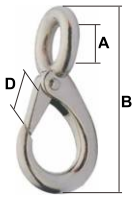
# STAINLESS STEEL HARDWARE

## S. S. WIRE EYE STRAP(PAD EYE)



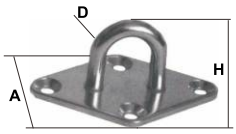

| Item No. | Size mm | L mm | H mm | Product Code |
|---|---|---|---|---|
| S-WES004 | 4 | 32 | 16 | 704135004 |
| S-WES005 | 5 | 40 | 17.5 | 704135005 |
| S-WES006 | 6 | 45 | 22.5 | 704135006 |
| S-WES008 | 8 | 50 | 23 | 704135008 |

## S. S. FIXED SNAP HOOK




| Item No. | A inch | B inch | D inch | Product Code |
|---|---|---|---|---|
| S-FSH011 | 7/16 | 2.1 | 0.22 | 704141001 |
| S-FSH016 | 5/8 | 2.7 | 0.37 | 704141002 |
| S-SFH020 | 3/4 | 3.1 | 0.5 | 704141003 |
| S-SFH014 | 3/4 | 3.7 | 0.6 | 704141004 |

## S. S. DIAMOND EYE PLATE



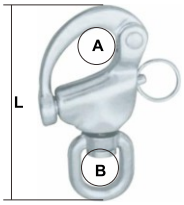

| Item No. | D mm | A mm | H mm | Product Code |
|---|---|---|---|---|
| S-DEP005 | 5 | 30 | 19 | 704136005 |
| S-DEP006 | 6 | 35 | 26 | 704136006 |
| S-DEP008 | 8 | 40 | 33 | 704136008 |

## S. S. SQUARE EYE PLATE WITH RING



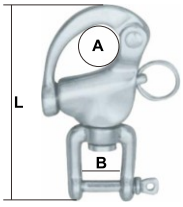

| Item No. | D mm | A mm | H mm | Product Code |
|---|---|---|---|---|
| S-SEPR005 | 5 | 30 | 19 | 704142005 |
| S-SEPR006 | 6 | 35 | 26 | 704142006 |
| S-SEPR008 | 8 | 40 | 33 | 704142008 |

## S. S. SWIVEL SNAP SHACKLE ROUND HEAD



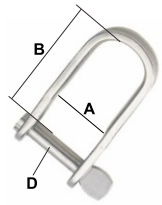

| Item No. | A mm | L mm | B mm | Product Code |
|---|---|---|---|---|
| S-SSR012 | 12 | 70 | 12 | 704137012 |
| S-SSR016 | 16 | 87 | 12 | 704137016 |
| S-SSR022 | 22 | 120 | 16 | 704137022 |

## S. S. SWIVEL SNAP SHACKLE JAW HEAD



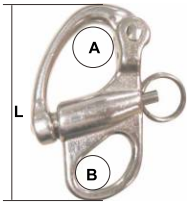

| Item No. | A mm | L mm | B mm | Product Code |
|---|---|---|---|---|
| S-SSJ012 | 12 | 69 | 12 | 704143012 |
| S-SSJ016 | 16 | 90 | 12 | 704143016 |
| S-SSJ022 | 22 | 128 | 16 | 704143022 |

## S. S. LONG DEE SHACKLE WITH LOCKING PIN



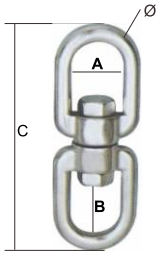

| Item No. | D mm | A mm | B mm | Product Code |
|---|---|---|---|---|
| S-LDL005 | 5 | 12.5 | 38 | 704138005 |
| S-LDL006 | 6 | 15.5 | 43 | 704138006 |
| S-LDL008 | 8 | 20.5 | 60.5 | 704138008 |

## S. S. FIXED SNAP SHACKLE



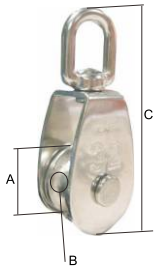

| Item No. | A mm | L mm | B mm | Product Code |
|---|---|---|---|---|
| S-FSS012 | 12 | 52 | 9 | 704144012 |
| S-FSS016 | 16 | 66 | 12 | 704144016 |
| S-FSS022 | 22 | 96 | 16 | 704144022 |

## S.S. EUROPEAN SWIVEL EYE AND EYE



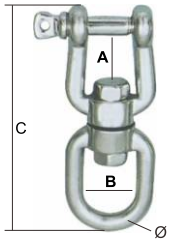

| Item No. | Size | Ø mm | A mm | B mm | C mm | Product Code |
|---|---|---|---|---|---|---|
| S-SEE004 | M4 | 4 | 11.5 | 13 | 50 | 704139004 |
| S-SEE005 | M5 | 5 | 13.0 | 14 | 60 | 704139005 |
| S-SEE006 | M6 | 6 | 14.5 | 15.5 | 66.5 | 704139006 |
| S-SEE008 | M8 | 8 | 19.5 | 21.5 | 90.0 | 704139008 |
| S-SEE010 | M10 | 10 | 23.5 | 26 | 112.0 | 704139010 |
| S-SEE013 | M13 | 13 | 33 | 33.5 | 148.5 | 704139013 |
| S-SEE016 | M16 | 16 | 38 | 42.5 | 186.0 | 704139016 |
| S-SEE020 | M20 | 20 | 40.5 | 51.0 | 223.0 | 704139020 |

## S.S. SWIVEL BLOCK



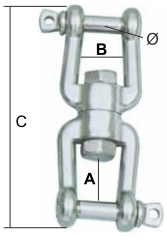

| Item No. | A mm | B mm | C mm | Weight kg | Product Code |
|---|---|---|---|---|---|
| S-SB015 | 15 | 6 | 60 | 0.035 | 704145015 |
| S-SB020 | 20 | 6 | 70 | 0.075 | 704145020 |
| S-SB025 | 25 | 10 | 82 | 0.150 | 704145025 |
| S-SB032 | 32 | 12 | 95 | 0.250 | 704145032 |
| S-SB050 | 50 | 21 | 124 | 0.400 | 704145050 |

## S.S. EUROPEAN SWIVEL EYE AND JAW




| Item No. | Size | Ø mm | A mm | B mm | C mm | Product Code |
|---|---|---|---|---|---|---|
| S-SEJ006 | M6 | 6 | 11.0 | 12.0 | 60.0 | 704140006 |
| S-SEJ008 | M8 | 8 | 15.5 | 16.0 | 80.0 | 704140008 |
| S-SEJ010 | M10 | 10 | 20.5 | 20.0 | 103.0 | 704140010 |
| S-SEJ013 | M13 | 13 | 25.5 | 26.0 | 132.0 | 704140013 |
| S-SEJ016 | M16 | 16 | 36.0 | 32.0 | 167.0 | 704140016 |
| S-SEJ020 | M20 | 19 | 41.0 | 38.0 | 199.0 | 704140020 |

## S.S. EUROPEAN SWIVEL JAW AND JAW

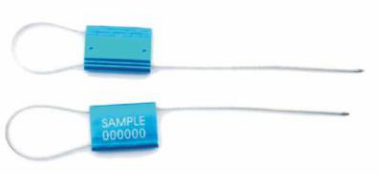



| Item No. | Size | Ø mm | A mm | B mm | C mm | Product Code |
|---|---|---|---|---|---|---|
| S-SJJ006 | M6 | 6 | 11.0 | 12.0 | 65.0 | 704146006 |
| S-SJJ008 | M8 | 8 | 15.5 | 16.0 | 86.5 | 704146008 |
| S-SJJ010 | M10 | 10 | 20.5 | 20.0 | 111.0 | 704146010 |
| S-SJJ012 | M12 | 12 | 25.5 | 26.0 | 144.5 | 704146012 |
| S-SJJ016 | M16 | 16 | 36.0 | 32.0 | 178.0 | 704146016 |
| S-SJJ020 | M20 | 19 | 41.0 | 38.0 | 213.0 | 704146020 |

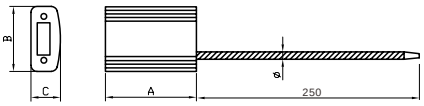
# CABLE SEAL

## CABLE SEAL CS15/CS20 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Dimensions (mm) | | | Product Code |
|---|---|---|---|---|---|---|---|
| | | | | A | B | C | |
| CS15 | 1.5 | 0.014 | 1000 | 29 | 20 | 7.8 | 705010015 |
| CS20 | 2 | 0.019 | 500 | 26 | 26.5 | 8.8 | 705010020 |

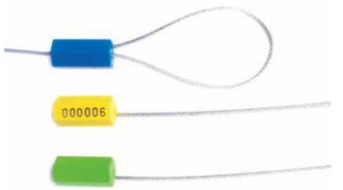



* All kinds of ISO containers, container trucks, doors, trucks, post packages, tanker trucks, rail cars, etc.
* Customization: laser printing serial numbers and logos on lock body
* Colors: red, yellow, green, blue or white

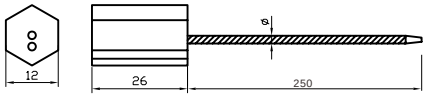



## CABLE SEAL CS210 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| CS210 | 1.8 | 0.013 | 1000 | 705020018 |

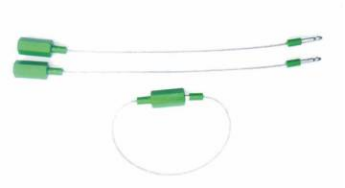



* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
* Low carbon steel, wrapped with ABS
* Printing: company logo or name, serial numbers
* Colors: yellow, white, green, blue, red or customized

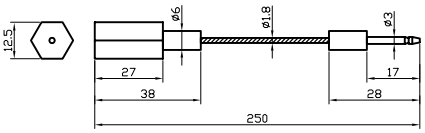



## CABLE SEAL CS220 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| CS220 | 1.8 | 0.017 | 1000 | 705030018 |

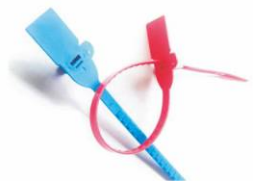


* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
* Low carbon steel, wrapped with ABS
* Printing: company logo or name, serial numbers
* Colors: yellow, white, green, blue, red or customized

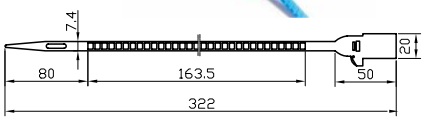



## PLASTIC SEAL PS33 TYPE

| Item No. | Length(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| PS33 | 322 | 0.0050 | 1000 | 705043220 |



* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
* Material: PA plastic
* Colors: yellow, white, green, blue, red or customized

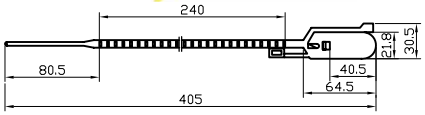



## PLASTIC SEAL PS40 TYPE

| Item No. | Length(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| PS40 | 405 | 0.0054 | 1000 | 705054050 |



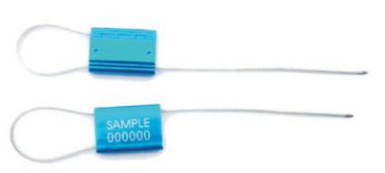
* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
* Material: PP/PE
* Colors: yellow, white, green, blue, red or customized



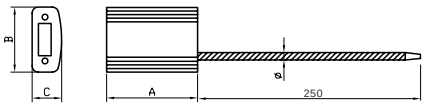
# CABLE SEAL

## CABLE SEAL CS15/CS20 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Dimensions (mm) | | | Product Code |
|---|---|---|---|---|---|---|---|
| | | | | A | B | C | |
| CS15 | 1.5 | 0.014 | 1000 | 29 | 20 | 7.8 | 705010015 |
| CS20 | 2 | 0.019 | 500 | 26 | 26.5 | 8.8 | 705010020 |

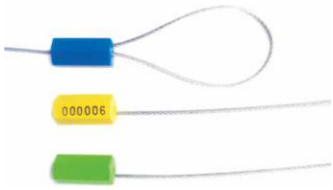



* All kinds of ISO containers, container trucks, doors, trucks, post packages, tanker trucks, rail cars, etc.
* Customization: laser printing serial numbers and logos on lock body
* Colors: red, yellow, green, blue or white

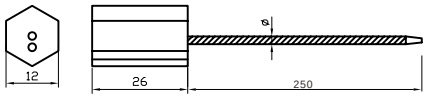



## CABLE SEAL CS210 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| CS210 | 1.8 | 0.013 | 1000 | 705020018 |




* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
* Low carbon steel, wrapped with ABS
* Printing: company logo or name, serial numbers
* Colors: yellow, white, green, blue, red or customized

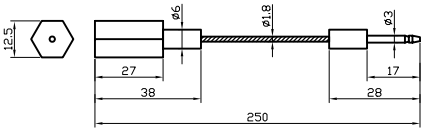



## CABLE SEAL CS220 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| CS220 | 1.8 | 0.017 | 1000 | 705030018 |

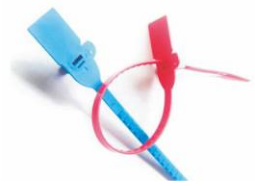


* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
* Low carbon steel, wrapped with ABS
* Printing: company logo or name, serial numbers
* Colors: yellow, white, green, blue, red or customized

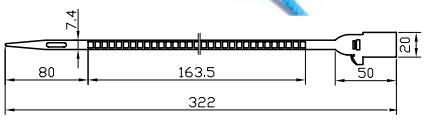



## PLASTIC SEAL PS33 TYPE

| Item No. | Length(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| PS33 | 322 | 0.0050 | 1000 | 705043220 |



* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
* Material: PA plastic
* Colors: yellow, white, green, blue, red or customized

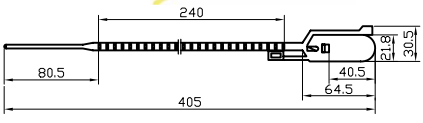



## PLASTIC SEAL PS40 TYPE

| Item No. | Length(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| PS40 | 405 | 0.0054 | 1000 | 705054050 |



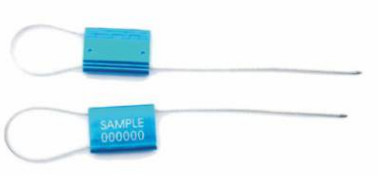
* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
* Material: PP/PE
* Colors: yellow, white, green, blue, red or customized



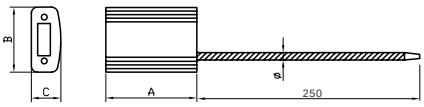
# CABLE SEAL

## CABLE SEAL CS15/CS20 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Dimensions (mm) | | | Product Code |
|---|---|---|---|---|---|---|---|
| | | | | A | B | C | |
| CS15 | 1.5 | 0.014 | 1000 | 29 | 20 | 7.8 | 705010015 |
| CS20 | 2 | 0.019 | 500 | 26 | 26.5 | 8.8 | 705010020 |

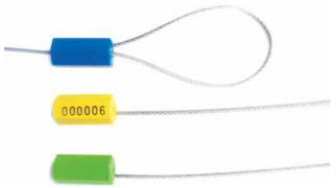



* All kinds of ISO containers, container trucks, doors, trucks, post packages, tanker trucks, rail cars, etc.
* Customization: laser printing serial numbers and logos on lock body
* Colors: red, yellow, green, blue or white

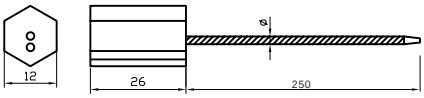



## CABLE SEAL CS210 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| CS210 | 1.8 | 0.013 | 1000 | 705020018 |




* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
* Low carbon steel, wrapped with ABS
* Printing: company logo or name, serial numbers
* Colors: yellow, white, green, blue, red or customized

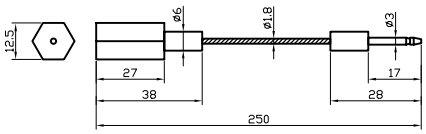



## CABLE SEAL CS220 TYPE

| Item No. | Diameter(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| CS220 | 1.8 | 0.017 | 1000 | 705030018 |

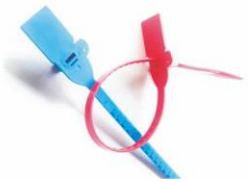


* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
* Low carbon steel, wrapped with ABS
* Printing: company logo or name, serial numbers
* Colors: yellow, white, green, blue, red or customized

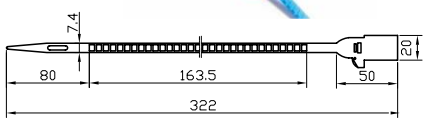



## PLASTIC SEAL PS33 TYPE

| Item No. | Length(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| PS33 | 322 | 0.0050 | 1000 | 705043220 |



* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
* Material: PA plastic
* Colors: yellow, white, green, blue, red or customized

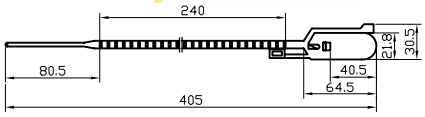



## PLASTIC SEAL PS40 TYPE

| Item No. | Length(mm) | Weight/kg | PCS/CTN | Product Code |
|---|---|---|---|---|
| PS40 | 405 | 0.0054 | 1000 | 705054050 |



* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
* Material: PP/PE
* Colors: yellow, white, green, blue, red or customized



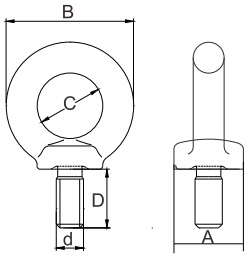
# EYE BOLT AND EYE NUT

Eye bolt DIN580 and eye nut DIN582 are generally used as a removable lifting point where a rated female thread or nut can be utilized also can be used as a termination for chain, wire rope and other assembles where required.
Material: C15 carbon steel as standard. C15E is optional.
Surface finish: electro galvanized
Safety factor: 6:1
With metric thread
Note: the eye bolt and nut must be of fully screwed in to achieve a perfect contact between the two mating faces.

## DIN580 EYE BOLT

| Item No. | Size | W.L.L. | Dimensions (mm) | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|
| | d | ton | A | B | C | D | kg | |
| HK2306 | M6 | 0.08 | 20 | 36 | 20 | 13 | 0.05 | 706001006 |
| HK2308 | M8 | 0.14 | 20 | 36 | 20 | 13 | 0.06 | 706001008 |
| HK2310 | M10 | 0.23 | 25 | 45 | 25 | 17 | 0.11 | 706001010 |
| HK2312 | M12 | 0.34 | 30 | 54 | 30 | 20.5 | 0.18 | 706001012 |
| HK2314 | M14 | 0.49 | 35 | 63 | 35 | 27 | 0.28 | 706001014 |
| HK2316 | M16 | 0.7 | 35 | 63 | 35 | 27 | 0.285 | 706001016 |
| HK2318 | M18 | 0.95 | 40 | 72 | 40 | 30 | 0.45 | 706001018 |
| HK2320 | M20 | 1.2 | 40 | 72 | 40 | 30 | 0.45 | 706001020 |
| HK2322 | M22 | 1.5 | 45 | 81 | 45 | 35 | 0.67 | 706001022 |
| HK2324 | M24 | 1.8 | 50 | 90 | 50 | 36 | 0.87 | 706001024 |
| HK2327 | M27 | 2.5 | 50 | 90 | 50 | 36 | 0.88 | 706001027 |
| HK2330 | M30 | 3.6 | 65 | 108 | 60 | 45 | 1.66 | 706001030 |
| HK2333 | M33 | 4.3 | 65 | 108 | 60 | 45 | 1.72 | 706001033 |
| HK2336 | M36 | 5.1 | 75 | 126 | 70 | 54 | 2.65 | 706001036 |
| HK2339 | M39 | 6.1 | 75 | 126 | 70 | 54 | 2.8 | 706001039 |
| HK2342 | M42 | 7 | 85 | 144 | 80 | 63 | 4.03 | 706001042 |
| HK2345 | M45 | 8 | 85 | 144 | 80 | 63 | 4.25 | 706001045 |
| HK2348 | M48 | 8.6 | 100 | 166 | 90 | 68 | 6.38 | 706001048 |
| HK2352 | M52 | 9.9 | 100 | 166 | 90 | 68 | 6.6 | 706001052 |
| HK2356 | M56 | 11.5 | 110 | 184 | 100 | 78 | 8.8 | 706001056 |
| HK2364 | M64 | 16 | 120 | 206 | 110 | 90 | 12.4 | 706001064 |

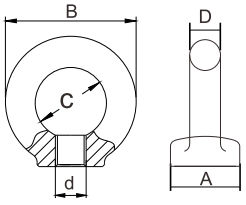



## DIN582 EYE NUT

| Item No. | Size | W.L.L. | Dimensions (mm) | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|
| | d | ton | A | B | C | D | kg | |
| HK2406 | M6 | 0.08 | 20 | 36 | 20 | 8 | 0.045 | 706002006 |
| HK2408 | M8 | 0.14 | 20 | 36 | 20 | 8 | 0.05 | 706002008 |
| HK2410 | M10 | 0.23 | 25 | 45 | 25 | 10 | 0.09 | 706002010 |
| HK2412 | M12 | 0.34 | 30 | 54 | 30 | 12 | 0.16 | 706002012 |
| HK2414 | M14 | 0.49 | 35 | 63 | 35 | 14 | 0.24 | 706002014 |
| HK2416 | M16 | 0.7 | 35 | 63 | 35 | 14 | 0.24 | 706002016 |
| HK2418 | M18 | 0.95 | 40 | 72 | 40 | 16 | 0.36 | 706002018 |
| HK2420 | M20 | 1.2 | 40 | 72 | 40 | 16 | 0.36 | 706002020 |
| HK2422 | M22 | 1.5 | 45 | 81 | 45 | 18 | 0.58 | 706002022 |
| HK2424 | M24 | 1.8 | 50 | 90 | 50 | 20 | 0.72 | 706002024 |
| HK2427 | M27 | 2.5 | 50 | 90 | 50 | 20 | 0.7 | 706002027 |
| HK2430 | M30 | 3.6 | 65 | 108 | 60 | 24 | 1.32 | 706002030 |
| HK2433 | M33 | 4.3 | 65 | 108 | 60 | 24 | 1.3 | 706002033 |
| HK2436 | M36 | 5.1 | 75 | 126 | 70 | 28 | 2.08 | 706002036 |
| HK2439 | M39 | 6.1 | 75 | 126 | 70 | 28 | 2.02 | 706002039 |
| HK2442 | M42 | 7 | 85 | 144 | 80 | 32 | 3.11 | 706002042 |
| HK2445 | M45 | 8 | 85 | 144 | 80 | 32 | 3.04 | 706002045 |
| HK2448 | M48 | 8.6 | 100 | 166 | 90 | 38 | 5.02 | 706002048 |
| HK2452 | M52 | 9.9 | 100 | 166 | 90 | 38 | 4.95 | 706002052 |
| HK2456 | M56 | 11.5 | 110 | 184 | 100 | 42 | 6.69 | 706002056 |
| HK2464 | M64 | 16 | 120 | 206 | 110 | 48 | 9.3 | 706002064 |



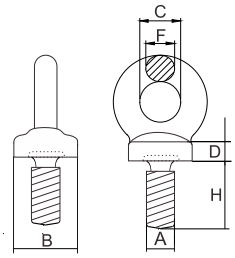
# EYE BOLT AND EYE NUT

## BS4278-1 COLLARED EYE BOLT

Safety factor: 5:1
Self colored finish as standard.

| Item No. | Size | W.L.L. | Dimensions (mm) | | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | A | ton | B | C | D | F | H | kg | |
| HK2506 | M6 | 0.1 | 22 | 15 | 7 | 9 | 18 | 0.06 | 706003006 |
| HK2508 | M8 | 0.15 | 22 | 15 | 7 | 9 | 18 | 0.06 | 706003008 |
| HK2510 | M10 | 0.25 | 22 | 15 | 7 | 9 | 18 | 0.06 | 706003010 |
| HK2512 | M12 | 0.4 | 22 | 15 | 7 | 9 | 18 | 0.06 | 706003012 |
| HK2516 | M16 | 0.8 | 29 | 20 | 10 | 12 | 23 | 0.15 | 706003016 |
| HK2518 | M18 | 1 | 36 | 24 | 12 | 14 | 28 | 0.27 | 706003018 |
| HK2520 | M20 | 1.6 | 40 | 27 | 14 | 16 | 32 | 0.38 | 706003020 |
| HK2522 | M22 | 1.6 | 45 | 30 | 14 | 18 | 35 | 0.54 | 706003022 |
| HK2524 | M24 | 2.5 | 52 | 35 | 17 | 21 | 40 | 0.85 | 706003024 |
| HK2527 | M27 | 2.5 | 58 | 39 | 20 | 23 | 46 | 1.13 | 706003027 |
| HK2530 | M30 | 4 | 65 | 44 | 22 | 26 | 51 | 1.62 | 706003030 |
| HK2533 | M33 | 4 | 72 | 48 | 24 | 29 | 56 | 2.37 | 706003033 |
| HK2536 | M36 | 6.3 | 81 | 54 | 27 | 32 | 63 | 3.12 | 706003036 |
| HK2539 | M39 | 6.3 | 86 | 57 | 29 | 36 | 67 | 3.81 | 706003039 |
| HK2545 | M45 | 8 | 101 | 68 | 34 | 40 | 79 | 6.45 | 706003045 |
| HK2552 | M52 | 12.5 | 115 | 76 | 38 | 46 | 89 | 9.58 | 706003052 |
| HK2556 | M56 | 16 | 128 | 86 | 43 | 51 | 100 | 12.99 | 706003056 |
| HK2564 | M64 | 20 | 144 | 96 | 48 | 58 | 112 | 18.20 | 706003064 |



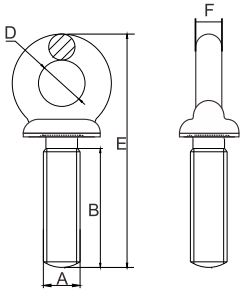



## US TYPE SHOULDER TYPE MACHINERY EYE BOLT

Material: forged carbon steel
Surface finish: electro galvanized
Safety factor: 5:1
Application: recommended for in-line pull
All bolts threaded UNC.

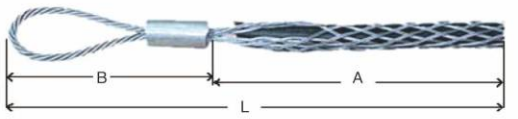


| Item No. | Size | W.L.L. | Dimensions (inch) | | | | | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | | lbs | A | B | D | E | F | kg | |
| HK2706 | 1/4" X 1" | 650 | 0.25 | 1 | 0.75 | 2.29 | 0.19 | 0.015 | 706005006 |
| HK2708 | 5/16" X 1-1/8" | 1,200 | 0.31 | 1.13 | 0.88 | 2.74 | 0.25 | 0.028 | 706005008 |
| HK2710 | 3/8" X 1-1/4" | 1,550 | 0.38 | 1.25 | 1 | 3.07 | 0.31 | 0.057 | 706005010 |
| HK2713 | 1/2" X 1-1/2" | 2,600 | 0.5 | 1.5 | 1.19 | 4.45 | 0.38 | 0.113 | 706005013 |
| HK2716 | 5/8" X 1-3/4" | 5,200 | 0.63 | 1.75 | 1.38 | 5.07 | 0.5 | 0.227 | 706005016 |
| HK2719 | 3/4" X 2" | 7,200 | 0.75 | 2 | 1.5 | 5.87 | 0.63 | 0.397 | 706005019 |
| HK2722 | 7/8" X 2-1/4" | 10,600 | 0.88 | 2.25 | 1.75 | 6.66 | 0.75 | 0.681 | 706005022 |
| HK2725 | 1" X 2-1/2" | 13,300 | 1 | 2.5 | 2 | 7.2 | 0.88 | 0.990 | 706005025 |
| HK2732 | 1-1/4" X 3" | 21,000 | 1.25 | 3 | 2.5 | 9.49 | 1 | 1.725 | 706005032 |
| HK2738 | 1-1/2" X 3-1/2" | 24,000 | 1.5 | 3.5 | 3 | 10.48 | 1.25 | 3.177 | 706005038 |



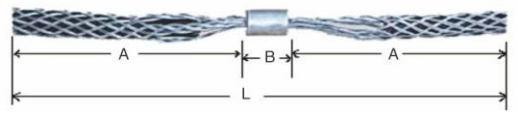
# CABLE SOCKS

- Complete range of cable socks including single eye, double eye, multi weave, lace up and open ended types for pulling and supporting all types of power, fibre, subsea cables and umbilicals during installation – cable socks are manufactured from galvanized steel wire and are available in shorter and longer length versions.
- Using cable pulling socks is probably the most common form of installation for underground cables and overhead conductors




## CABLE SOCKS CS-A TYPE

| Item No. | Size | A | B | L | Max. Working Load | Weight | Product Code |
|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | kg | kg | |
| CSA0811 | 8 - 11 | 350 | 140 | 490 | 600 | 0.09 | 707001011 |
| CSA1113 | 11 - 13 | 400 | 190 | 590 | 1200 | 0.12 | 707001013 |
| CSA1316 | 13 - 16 | 500 | 190 | 690 | 1200 | 0.26 | 707001016 |
| CSA1621 | 16 - 21 | 550 | 220 | 770 | 1500 | 0.38 | 707001021 |
| CSA2125 | 21 - 25 | 750 | 220 | 970 | 2000 | 0.49 | 707001025 |
| CSA2530 | 25 - 30 | 750 | 250 | 1000 | 3000 | 0.5 | 707001030 |
| CSA3035 | 30 - 35 | 900 | 300 | 1200 | 3500 | 1.23 | 707001035 |
| CSA3542 | 35 - 42 | 1000 | 360 | 1360 | 4000 | 1.75 | 707001042 |
| CSA4250 | 42 - 50 | 1300 | 360 | 1660 | 4500 | 2 | 707001050 |




## CABLE SOCKS CS-AA TYPE

| Item No. | Size | A | B | L | Max. Working Load | Weight | Product Code |
|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | kg | kg | |
| CSAA0811 | 8 - 11 | 350 | 140 | 840 | 600 | 0.1 | 707002011 |
| CSAA1113 | 11 - 13 | 400 | 210 | 1010 | 1200 | 0.2 | 707002013 |
| CSAA1316 | 13 - 16 | 500 | 210 | 1210 | 1200 | 0.4 | 707002016 |
| CSAA1621 | 16 - 21 | 550 | 220 | 1320 | 1500 | 0.5 | 707002021 |
| CSAA2125 | 21 - 25 | 750 | 220 | 1720 | 2000 | 0.9 | 707002025 |
| CSAA2530 | 25 - 30 | 750 | 220 | 1720 | 3000 | 0.9 | 707002030 |
| CSAA3035 | 30 - 35 | 900 | 280 | 2080 | 3500 | 1.1 | 707002035 |
| CSAA3542 | 35 - 42 | 1000 | 280 | 2280 | 4000 | 2.07 | 707002042 |
| CSAA4250 | 42 - 50 | 1300 | 280 | 2880 | 4500 | 3.05 | 707002050 |



## CABLE SOCKS WITH OPEN END CS-AB TYPE

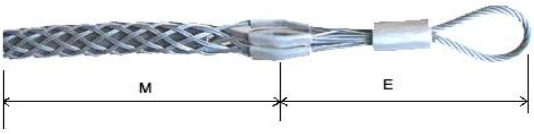
| Item No. | Size | Length | Max. Working Load | Weight | Product Code |
|---|---|---|---|---|---|
| | mm | mm | kg | kg | |
| CSAB0811 | 8 - 11 | 840 | 600 | 0.1 | 707003011 |
| CSAB1113 | 11 - 13 | 1010 | 1200 | 0.2 | 707003013 |
| CSAB1316 | 13 - 16 | 1210 | 1200 | 0.4 | 707003016 |
| CSAB1621 | 16 - 21 | 1320 | 1500 | 0.5 | 707003021 |
| CSAB2125 | 21 - 25 | 1720 | 2000 | 0.8 | 707003025 |
| CSAB2530 | 25 - 30 | 1720 | 3000 | 0.9 | 707003030 |
| CSAB3035 | 30 - 35 | 2080 | 3500 | 1.1 | 707003035 |
| CSAB3542 | 35 - 42 | 2280 | 4000 | 2.07 | 707003042 |
| CSAB4250 | 42 - 50 | 2880 | 4500 | 3.06 | 707003050 |

# CABLE SOCKS



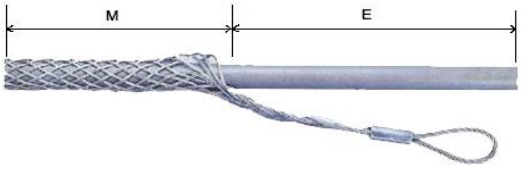

## CABLE SOCKS CS-B TYPE

| Item No. | Size | M | E | Approx. Breaking Strength | Weight | Product Code |
|---|---|---|---|---|---|---|
| | mm | mm | mm | kg | kg | |
| CSB013016 | 13 - 16 | 406 | 127 | 2500 | 0.18 | 707004016 |
| CSB016019 | 16 - 19 | 406 | 127 | 3000 | 0.24 | 707004019 |
| CSB019025 | 19 - 25 | 813 | 152 | 3000 | 0.53 | 707004025 |
| CSB025038 | 25 - 38 | 838 | 178 | 7400 | 1.08 | 707004038 |
| CSB038050 | 38 - 50 | 864 | 178 | 7400 | 1.09 | 707004050 |
| CSB051063 | 51 - 63 | 914 | 229 | 12200 | 2.1 | 707004063 |
| CSB063076 | 63 - 76 | 965 | 254 | 14900 | 2.75 | 707004076 |
| CSB076089 | 76 - 89 | 990 | 254 | 18500 | 2.76 | 707004089 |
| CSB089102 | 89 - 102 | 1041 | 254 | 21600 | 3.07 | 707004102 |
| CSB102114 | 102 - 114 | 1067 | 254 | 21600 | 3.52 | 707004114 |
| CSB114126 | 114 - 126 | 1473 | 254 | 21600 | 3.8 | 707004126 |
| CSB127152 | 127 - 152 | 1524 | 254 | 21600 | 3.85 | 707004152 |
| CSB152177 | 152 - 177 | 1676 | 254 | 21600 | 4.05 | 707004177 |




## CABLE SOCKS CS-C TYPE

| Item No. | Size | M | E | Approx. Breaking Strength | Weight | Product Code |
|---|---|---|---|---|---|---|
| | mm | mm | mm | kg | kg | |
| CSC19025 | 19 - 25 | 914 | 229 | 3000 | 0.32 | 707005025 |
| CSC25038 | 25 - 38 | 914 | 229 | 4300 | 0.42 | 707005038 |
| CSC38050 | 38 - 50 | 914 | 279 | 7400 | 0.79 | 707005050 |
| CSC51063 | 51 - 63 | 914 | 305 | 8300 | 1.06 | 707005063 |
| CSC63076 | 63 - 76 | 914 | 305 | 11000 | 1.7 | 707005076 |
| CSC76089 | 76 - 89 | 914 | 356 | 11000 | 1.81 | 707005089 |
| CSC89102 | 89 - 102 | 1016 | 356 | 14000 | 2.05 | 707005102 |




## CABLE SOCKS CS-S TYPE

| Item No. | Size | M | E | Approx. Breaking Strength | Weight | Product Code |
|---|---|---|---|---|---|---|
| | mm | mm | mm | kg | kg | |
| CSS19025 | 19 - 25 | 280 | 127 | 1100 | 0.2 | 707006025 |
| CSS25032 | 25 - 32 | 280 | 127 | 1600 | 0.28 | 707006032 |
| CSS32038 | 32 - 38 | 508 | 152 | 1800 | 0.38 | 707006038 |
| CSS38044 | 38 - 44 | 432 | 229 | 1800 | 0.4 | 707006044 |
| CSS44050 | 44 - 50 | 457 | 254 | 1800 | 0.42 | 707006050 |
| CSS51063 | 51 - 63 | 483 | 254 | 1800 | 0.54 | 707006063 |
| CSS63076 | 63 - 76 | 508 | 254 | 1800 | 0.68 | 707006076 |
| CSS76089 | 76 - 89 | 533 | 305 | 1800 | 0.8 | 707006089 |
| CSS89102 | 89 - 102 | 559 | 305 | 1800 | 0.84 | 707006102 |

# STEEL LINK CHAI

## CHAIN WITH CLEVIS/EYE GRAB HOOKS ON BOTH ENDS

### Grade 43

| Item No. | Size | Length | Working Load Limit | Min. Breaking Load | Weight | PCS/DRUM | Product Code |
|---|---|---|---|---|---|---|---|
| | inch | ft | lbs | lbs | kg/pc | | |
| BC4301 | 1/4' | 14' | 2600 | 7800 | 4.5 | 50 | 708001401 |
| BC4302 | 1/4' | 16' | 2600 | 7800 | 5 | 40 | 708001402 |
| BC4303 | 5/16' | 14' | 3900 | 11700 | 7 | 35 | 708001403 |
| BC4304 | 5/16' | 16' | 3900 | 11700 | 8 | 30 | 708001404 |
| BC4305 | 5/16' | 18' | 3900 | 11700 | 9 | 30 | 708001405 |
| BC4306 | 5/16' | 20' | 3900 | 11700 | 9.5 | 25 | 708001406 |
| BC4307 | 5/16' | 25' | 3900 | 11700 | 12 | 20 | 708001407 |
| BC4308 | 5/16' | 30' | 3900 | 11700 | 14 | 20 | 708001408 |
| BC4309 | 3/8' | 14' | 5400 | 16200 | 10 | 25 | 708001409 |
| BC4310 | 3/8' | 16' | 5400 | 16200 | 11.5 | 25 | 708001410 |
| BC4311 | 3/8' | 20' | 5400 | 16200 | 13.5 | 20 | 708001411 |
| BC4312 | 3/8' | 25' | 5400 | 16200 | 17.5 | 15 | 708001412 |

## CHAIN WITH CLEVIS/EYE GRAB HOOKS ON BOTH ENDS

### Grade 70

| Item No. | Size | Length | Working Load Limit | Min. Breaking Load | Weight | PCS/DRUM | Product Code |
|---|---|---|---|---|---|---|---|
| | inch | ft | lbs | lbs | kg/pc | | |
| BC7001 | 1/4' | 14' | 3150 | 12600 | 4 | 50 | 708001701 |
| BC7002 | 1/4' | 16' | 3150 | 12600 | 5 | 40 | 708001702 |
| BC7003 | 5/16' | 14' | 4700 | 18800 | 7 | 35 | 708001703 |
| BC7004 | 5/16' | 16' | 4700 | 18800 | 8 | 30 | 708001704 |
| BC7005 | 5/16' | 18' | 4700 | 18800 | 9 | 30 | 708001705 |
| BC7006 | 5/16' | 20' | 4700 | 18800 | 10 | 25 | 708001706 |
| BC7007 | 5/16' | 25' | 4700 | 18800 | 12 | 20 | 708001707 |
| BC7008 | 5/16' | 30' | 4700 | 18800 | 14.5 | 20 | 708001708 |
| BC7009 | 3/8' | 14' | 6600 | 26400 | 10 | 25 | 708001709 |
| BC7010 | 3/8' | 16' | 6600 | 26400 | 11.5 | 20 | 708001710 |
| BC7011 | 3/8' | 20' | 6600 | 26400 | 14.5 | 20 | 708001711 |
| BC7012 | 3/8' | 25' | 6600 | 26400 | 18 | 15 | 708001712 |





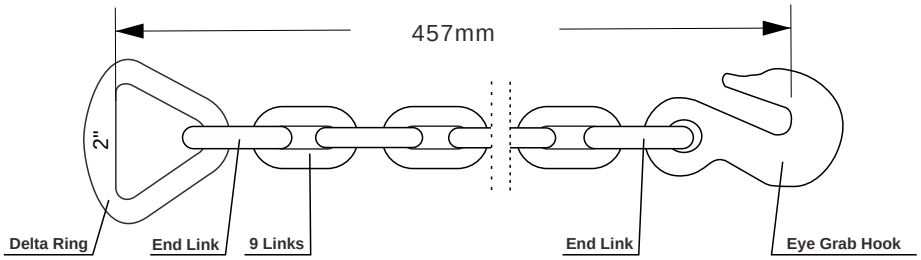




# STEEL LINK CHAIN

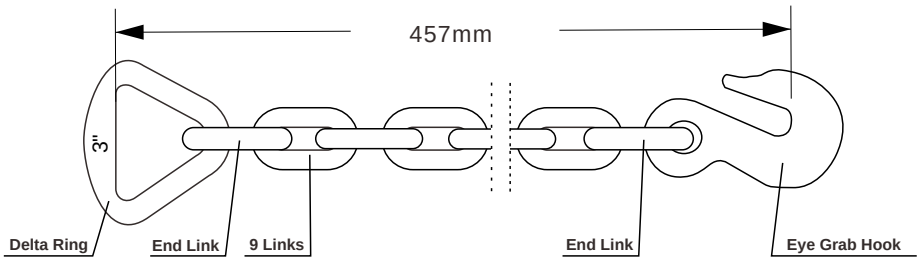
### CHAIN WITH DELTA RING AND GRAB HOOK EACH ONE END

| Item No. | Delta Ring | End Link | Chain size | Link | Eye Grab Hook | Length | B.L./lbs | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | inch | inch | inch | Qty | inch | ft | lbs | kg | |
| SJH-51602 | 2 | 5/16 | 1/4 | 9 | 5/16 | 18 | 10000 | 0.9 | 708002201 |



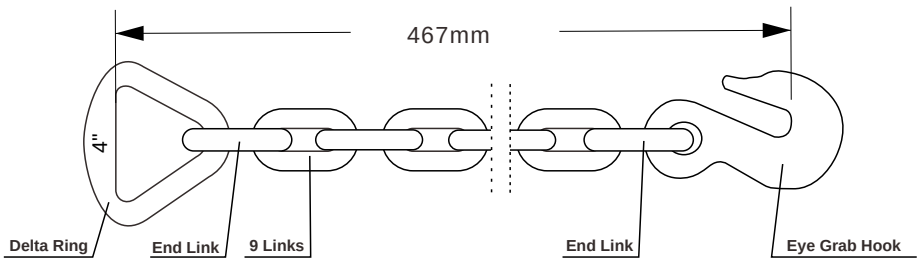

### CHAIN WITH DELTA RING AND GRAB HOOK EACH ONE END

| Item No. | Delta Ring | End Link | Chain size | Link | Eye Grab Hook | Length | B.L./lbs | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | inch | inch | inch | Qty | inch | ft | lbs | kg | |
| SJH-03803 | 3 | 7/16 | 3/8 | 9 | 3/8 | 18 | 16200 | 1.7 | 708002301 |




### CHAIN WITH DELTA RING AND GRAB HOOK EACH ONE END

| Item No. | Delta Ring | End Link | Chain size | Link | Eye Grab Hook | Length | B.L./lbs | Weight | Product Code |
|---|---|---|---|---|---|---|---|---|---|
| | inch | inch | inch | Qty | inch | ft | lbs | kg | |
| SJH-03804 | 4 | 7/16 | 5/16 | 9 | 3/8 | 18 | 20000 | 1.8 | 708002401 |



# STEEL LINK CHAIN



## Grade 30 Proof Coil Chain
(Not to be used in overhead lifting applications)

| Item No. | Nominal Chain Size | | Material Diameter | | Inside Length (Max.) | | Inside Width (Min.) | | Working Load Limit (Max.) | | Proof Test (Min.) | | Minimum Breaking Force | | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | inch | mm | inch | mm | inch | mm | inch | mm | lbs | kg | lbs | kN | lbs | kN | |
| C903004 | 1/8 | 4.0 | 0.156 | 4.0 | 0.94 | 23.9 | 0.25 | 6.4 | 400 | 180 | 800 | 3.6 | 1,600 | 7.2 | 708004004 |
| C903005 | 3/16 | 5.5 | 0.217 | 5.5 | 0.98 | 24.8 | 0.3 | 7.7 | 800 | 365 | 1,600 | 7.2 | 3,200 | 14.4 | 708004005 |
| C903007 | 1/4 | 7.0 | 0.276 | 7.0 | 1.24 | 31.5 | 0.38 | 9.8 | 1,300 | 580 | 2,600 | 11.6 | 5,200 | 23.2 | 708004007 |
| C903008 | 5/16 | 8.0 | 0.331 | 8.0 | 1.29 | 32.8 | 0.44 | 11.2 | 1,900 | 860 | 3,800 | 16.9 | 7,600 | 33.8 | 708004008 |
| C903010 | 3/8 | 10.0 | 0.394 | 10.0 | 1.38 | 35.0 | 0.55 | 14.0 | 2,650 | 1,200 | 5,300 | 23.6 | 10,600 | 47.2 | 708004010 |
| C903012 | 7/16 | 11.9 | 0.468 | 11.9 | 1.64 | 41.6 | 0.65 | 16.6 | 3,700 | 1,680 | 7,400 | 32.9 | 14,800 | 65.8 | 708004012 |
| C903013 | 1/2 | 13.0 | 0.512 | 13.0 | 1.79 | 45.5 | 0.72 | 18.2 | 4,500 | 2,030 | 9,000 | 40.0 | 18,000 | 80.0 | 708004013 |
| C903016 | 5/8 | 16.0 | 0.630 | 16.0 | 2.20 | 56.0 | 0.79 | 20.0 | 6,900 | 3,130 | 13,800 | 61.3 | 27,600 | 122.6 | 708004016 |
| C903020 | 3/4 | 20.0 | 0.787 | 20.0 | 2.76 | 70.0 | 0.98 | 25.0 | 10,600 | 4,800 | 21,200 | 94.3 | 42,400 | 188.6 | 708004020 |
| C903022 | 7/8 | 22.0 | 0.866 | 22.0 | 3.03 | 77.0 | 1.08 | 27.5 | 12,800 | 5,810 | 25,600 | 114.1 | 51,200 | 228.2 | 708004022 |
| C903026 | 1 | 26.0 | 1.020 | 26.0 | 3.58 | 90.9 | 1.25 | 31.7 | 17,900 | 8,140 | 35,800 | 159.1 | 71,600 | 318.2 | 708004026 |

The Proof Test and Minimum Breaking Force shall not be used as criteria for service and design purposes.



## Grade 43 High Test Chain
(Not to be used in overhead lifting applications)

| Item No. | Nominal Chain Size | | Material Diameter | | Inside Length (Max.) | | Inside Width (Min.) | | Working Load Limit (Max.) | | Proof Test (Min.) | | Minimum Breaking Force | | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | inch | mm | inch | mm | inch | mm | inch | mm | lbs | kg | lbs | kN | lbs | kN | |
| C904307 | 1/4 | 7.0 | 0.296 | 7.0 | 1.24 | 31.5 | 0.38 | 9.8 | 2,600 | 1,180 | 3,900 | 17.3 | 7,800 | 34.6 | 708007707 |
| C904308 | 5/16 | 8.7 | 0.343 | 8.7 | 1.29 | 32.8 | 0.44 | 11.2 | 3,900 | 1,770 | 5,850 | 26.0 | 11,700 | 52.0 | 708007708 |
| C904310 | 3/8 | 10.0 | 0.406 | 10.3 | 1.38 | 35.0 | 0.55 | 14.0 | 5,400 | 2,450 | 8,100 | 36.0 | 16,200 | 72.0 | 708007710 |
| C904312 | 7/16 | 11.9 | 0.468 | 11.9 | 1.64 | 14.6 | 0.65 | 16.6 | 7,200 | 3,270 | 10,800 | 48.0 | 21,600 | 96.0 | 708007712 |
| C904313 | 1/2 | 13.0 | 0.531 | 13.5 | 1.79 | 45.5 | 0.72 | 18.2 | 9,200 | 4,170 | 13,800 | 61.3 | 27,600 | 122.6 | 708007713 |
| C904316 | 5/8 | 16.0 | 0.630 | 16.0 | 2.20 | 56.0 | 0.79 | 20.0 | 13,000 | 5,910 | 19,500 | 86.5 | 39,000 | 173.0 | 708007716 |
| C904320 | 3/4 | 20.0 | 0.787 | 20.0 | 2.76 | 70.0 | 0.98 | 25.0 | 20,200 | 9,180 | 30,300 | 134.7 | 60,600 | 269.4 | 708007720 |
| C904322 | 7/8 | 22.0 | 0.866 | 22.0 | 3.03 | 77.0 | 1.08 | 27.5 | 24,500 | 11,140 | 36,750 | 163.3 | 73,500 | 326.6 | 708007722 |

The Proof Test and Minimum Breaking Force shall not be used as criteria for service and design purposes.



## Grade 70 Transport Chain
(Not to be used in overhead lifting applications)

| Item No. | Nominal Chain Size | | Material Diameter | | Inside Length (Max.) | | Inside Width (Min.) | | Working Load Limit (Max.) | | Proof Test (Min.) | | Minimum Breaking Force | | Product Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | inch | mm | inch | mm | inch | mm | inch | mm | lbs | kg | lbs | kN | lbs | kN | |
| C907007 | 1/4 | 7.0 | 0.281 | 7.0 | 1.24 | 31.5 | 0.38 | 9.8 | 3,150 | 1,430 | 6,300 | 28.0 | 12,600 | 56.0 | 708010707 |
| C907008 | 5/16 | 8.7 | 0.343 | 8.7 | 1.29 | 32.8 | 0.44 | 11.2 | 4,700 | 2,130 | 9,400 | 41.8 | 18,800 | 83.6 | 708010708 |
| C907010 | 3/8 | 10.0 | 0.406 | 10.3 | 1.38 | 35.0 | 0.55 | 14.0 | 6,600 | 2,990 | 13,200 | 58.7 | 26,400 | 117.4 | 708010710 |
| C907012 | 7/16 | 11.9 | 0.468 | 11.9 | 1.64 | 14.6 | 0.65 | 16.6 | 8,750 | 3,970 | 17,500 | 77.8 | 35,000 | 155.4 | 708010712 |
| C907013 | 1/2 | 13.0 | 0.531 | 13.5 | 1.79 | 45.5 | 0.72 | 18.2 | 11,300 | 5,130 | 22,600 | 100.4 | 45,200 | 200.8 | 708010713 |
| C907016 | 5/8 | 16.0 | 0.630 | 16.0 | 2.20 | 56.0 | 0.79 | 20.0 | 15,800 | 7,170 | 31,600 | 140.4 | 63,200 | 280.8 | 708010716 |
| C907020 | 3/4 | 20.0 | 0.787 | 20.0 | 2.76 | 70.0 | 0.98 | 25.0 | 24,700 | 11,200 | 49,400 | 219.6 | 98,800 | 439.2 | 708010722 |

The Proof Test and Minimum Breaking Force shall not be used as criteria for service and design purposes.

# COMMERCIAL CHAIN

## DIN 763 LINK CHAIN



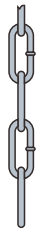
| Item No. | Size mm | I.L. mm | O.W. mm | W.L.L. kg | B.L. kN | WT./M kg | Product Code |
|---|---|---|---|---|---|---|---|
| C-76304 | 4 | 32 | 16 | 100 | 6 | 0.27 | 708012304 |
| C-76305 | 5 | 35 | 20 | 160 | 10 | 0.43 | 708012305 |
| C-76306 | 6 | 42 | 24 | 200 | 12.5 | 0.63 | 708012306 |
| C-76307 | 7 | 49 | 28 | 300 | 18 | 0.86 | 708012307 |
| C-76308 | 8 | 52 | 32 | 400 | 25 | 1.10 | 708012308 |
| C-76310 | 10 | 65 | 40 | 630 | 40 | 1.75 | 708012310 |
| C-76313 | 13 | 82 | 52 | 1000 | 63 | 2.95 | 708012313 |
| C-76316 | 16 | 100 | 64 | 1600 | 100 | 4.45 | 708012316 |
| C-76320 | 20 | 120 | 75 | 2500 | 160 | 7.00 | 708012320 |

## DIN 766 LINK CHAIN



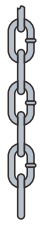
| Item No. | Size mm | I.L. mm | O.W. mm | W.L.L. kN | B.L. kN | WT./M kg | Product Code |
|---|---|---|---|---|---|---|---|
| C-76604 | 4 | 16 | 14.2 | 2.0 | 8.0 | 0.32 | 708013604 |
| C-76605 | 5 | 18.5 | 17 | 3.2 | 12.5 | 0.50 | 708013605 |
| C-76606 | 6 | 18.5 | 20.4 | 4.0 | 16.0 | 0.80 | 708013606 |
| C-76607 | 7 | 22 | 23.8 | 6.3 | 25.0 | 1.10 | 708013607 |
| C-76608 | 8 | 24 | 27.2 | 8.0 | 32.0 | 1.40 | 708013608 |
| C-76609 | 9 | 27 | 30.6 | 10.0 | 40.0 | 1.80 | 708013609 |
| C-76610 | 10 | 28 | 36 | 12.5 | 50.0 | 2.20 | 708013610 |
| C-76611 | 11 | 31 | 37.4 | 16.0 | 63.0 | 2.70 | 708013611 |
| C-76613 | 13 | 36 | 44.2 | 20.0 | 80.0 | 3.80 | 708013613 |
| C-76614 | 14 | 41 | 47.6 | 25.0 | 100.0 | 4.40 | 708013614 |
| C-76616 | 16 | 45 | 54.4 | 32.0 | 125.0 | 5.70 | 708013616 |
| C-76618 | 18 | 50 | 61.2 | 40.0 | 160.0 | 7.30 | 708013618 |
| C-76620 | 20 | 56 | 68 | 50.0 | 200.0 | 9.00 | 708013620 |

## DIN 5685 LONG LINK CHAIN



| Item No. | Size mm | I.L. mm | O.W. mm | W.L.L. kN | B.L. kN | WT./M kg | Product Code |
|---|---|---|---|---|---|---|---|
| C-L568503 | 3 | 26 | 12 | 1.12 | 2.8 | 0.15 | 708014503 |
| C-L568504 | 4 | 32 | 16 | 2.0 | 5.0 | 0.27 | 708014504 |
| C-L568505 | 5 | 35 | 20 | 3.15 | 7.75 | 0.43 | 708014505 |
| C-L568506 | 6 | 42 | 24 | 4.5 | 11.5 | 0.63 | 708014506 |
| C-L568507 | 7 | 49 | 28 | 6.0 | 15.0 | 0.86 | 708014507 |
| C-L568508 | 8 | 52 | 32 | 8.0 | 20.0 | 1.10 | 708014508 |
| C-L568509 | 9 | 59 | 36 | 10.0 | 25.0 | 1.41 | 708014509 |
| C-L568510 | 10 | 65 | 40 | 12.5 | 31.0 | 1.75 | 708014510 |
| C-L568511 | 11 | 72 | 44 | 15.0 | 38.0 | 2.11 | 708014511 |
| C-L568512 | 12 | 78 | 48 | 18.0 | 45.0 | 2.55 | 708014512 |
| C-L568513 | 13 | 82 | 52 | 21.2 | 53.0 | 2.95 | 708014513 |

## DIN 5685 SHORT LINK CHAIN



| Item No. | Size mm | I.L. mm | O.W. mm | W.L.L. kN | B.L. kN | WT./M kg | Product Code |
|---|---|---|---|---|---|---|---|
| C-S568503 | 3 | 16 | 11 | 1.12 | 2.8 | 0.16 | 708015503 |
| C-S568504 | 4 | 19 | 15 | 2.0 | 5.0 | 0.30 | 708015504 |
| C-S568505 | 5 | 21 | 19 | 3.15 | 7.75 | 0.50 | 708015505 |
| C-S568506 | 6 | 24 | 23 | 4.5 | 11.5 | 0.73 | 708015506 |
| C-S568507 | 7 | 28 | 27 | 6.0 | 15.0 | 1.00 | 708015507 |
| C-S568508 | 8 | 32 | 31 | 8.0 | 20.0 | 1.30 | 708015508 |
| C-S568509 | 9 | 36 | 35 | 10.0 | 25.0 | 1.65 | 708015509 |
| C-S568510 | 10 | 40 | 39 | 12.5 | 31.0 | 2.05 | 708015510 |
| C-S568511 | 11 | 44 | 43 | 15.0 | 38.0 | 2.50 | 708015511 |
| C-S568512 | 12 | 48 | 47 | 18.0 | 45.0 | 2.90 | 708015512 |
| C-S568513 | 13 | 52 | 51 | 21.2 | 53.0 | 3.45 | 708015513 |

## AUSTRALIAN STANDARD CHAIN, MEDIUM LINK



| Item No. | Size mm | I.L. mm | O.W. mm | W.L.L. ton | B.L. ton | WT./M kg | Product Code |
|---|---|---|---|---|---|---|---|
| C-AUM03 | 3 | 15.7 | 13.1 | 0.06 | 0.15 | 0.201 | 708016003 |
| C-AUM04 | 4 | 18.6 | 16.0 | 0.11 | 0.27 | 0.328 | 708016004 |
| C-AUM05 | 5 | 22.0 | 19.4 | 0.19 | 0.47 | 0.518 | 708016005 |
| C-AUM06 | 6 | 26.1 | 23.5 | 0.32 | 0.80 | 0.833 | 708016006 |
| C-AUM08 | 8 | 32.2 | 29.5 | 0.53 | 1.33 | 1.350 | 708016008 |
| C-AUM10 | 10 | 39.1 | 36.2 | 0.83 | 2.08 | 2.123 | 708016010 |
| C-AUM13 | 13 | 49.1 | 46.1 | 1.50 | 3.75 | 3.610 | 708016013 |
| C-AUM16 | 16 | 59.6 | 56.5 | 2.31 | 5.78 | 5.495 | 708016016 |
| C-AUM20 | 20 | 73.3 | 70.0 | 3.67 | 9.17 | 8.621 | 708016020 |
| C-AUM24 | 24 | 87.0 | 83.6 | 5.31 | 13.20 | 12.440 | 708016024 |

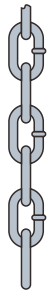
## NORWEGIAN STANDARD LINK CHAIN



| Item No. | Size mm | I.L. mm | I.W. mm | B.L. ton | WT./M kg | Product Code |
|---|---|---|---|---|---|---|
| C-N003 | 3.5 | 18 | 5.5 | 0.5 | 0.25 | 708017003 |
| C-N005 | 5 | 22 | 8.5 | 1.0 | 0.50 | 708017005 |
| C-N006 | 6.5 | 24 | 10.0 | 1.5 | 0.85 | 708017006 |
| C-N008 | 8 | 25.5 | 11.0 | 2.5 | 1.35 | 708017008 |
| C-N010 | 10 | 32 | 13.0 | 4.0 | 2.10 | 708017010 |
| C-N011 | 11 | 35 | 16.0 | 5.0 | 2.55 | 708017011 |
| C-N013 | 13 | 39 | 18.0 | 6.4 | 3.70 | 708017013 |
| C-N016 | 16 | 48 | 23.0 | 10.0 | 5.70 | 708017016 |
| C-N019 | 19 | 57 | 27.0 | 14.0 | 8.00 | 708017019 |

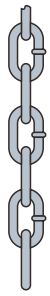
# STAINLESS STEEL CHAIN

## S.S. DIN 766 CHAIN



| Item No. | Size mm | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|
| S-C76602 | 2 | 12 | 3.5 | 0.07 | 709018602 |
| S-C76603 | 3 | 16 | 5 | 0.17 | 709018603 |
| S-C76604 | 4 | 16 | 5 | 0.32 | 709018604 |
| S-C76605 | 5 | 18.5 | 6 | 0.5 | 709018605 |
| S-C76606 | 6 | 18.5 | 7.2 | 0.8 | 709018606 |
| S-C76607 | 7 | 22 | 8.4 | 1.1 | 709018607 |
| S-C76608 | 8 | 24 | 9.6 | 1.4 | 709018608 |
| S-C76609 | 9 | 27 | 10.8 | 1.8 | 709018609 |
| S-C76610 | 10 | 28 | 12 | 2.3 | 709018610 |
| S-C76613 | 13 | 36 | 15.6 | 3.8 | 709018613 |

## S.S. DIN 5685 SHORT LINK CHAIN



| Item No. | Size mm | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|
| S-S568503 | 3 | 10 | 6 | 0.17 | 709019503 |
| S-S568504 | 4 | 19 | 8 | 0.3 | 709019504 |
| S-S568505 | 5 | 21 | 10 | 0.5 | 709019505 |
| S-S568506 | 6 | 24 | 12 | 0.73 | 709019506 |
| S-S568507 | 7 | 28 | 14 | 1 | 709019507 |
| S-S568508 | 8 | 32 | 16 | 1.3 | 709019508 |
| S-S568509 | 9 | 36 | 18 | 1.65 | 709019509 |
| S-S568510 | 10 | 40 | 20 | 2.05 | 709019510 |
| S-S568513 | 13 | 52 | 26 | 3.45 | 709019513 |

## S.S. ASTM-80 STANDARD CHAIN



| Item No. | Size | | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|---|
| | Inch | mm | | | | |
| S-CAS8004 | 1/8 | 4 | 23 | 7 | 0.29 | 709020004 |
| S-CAS8005 | 3/16 | 5.5 | 24 | 10.2 | 0.6 | 709020005 |
| S-CAS8007 | 1/4 | 7 | 25.4 | 12.7 | 1.07 | 709020007 |
| S-CAS8008 | 5/16 | 8.7 | 27.9 | 12.7 | 1.57 | 709020008 |
| S-CAS8010 | 3/8 | 10 | 31.2 | 15.7 | 2.3 | 709020010 |
| S-CAS8013 | 1/2 | 13 | 39.6 | 18.2 | 4 | 709020013 |

## S.S. AUSTRALIAN STANDARD CHAIN



| Item No. | Size mm | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|
| S-CAU04 | 4 | 18.6 | 8 | 0.32 | 709021004 |
| S-CAU05 | 5 | 22 | 9.4 | 0.5 | 709021005 |
| S-CAU06 | 6 | 26 | 11.5 | 0.7 | 709021006 |
| S-CAU08 | 8 | 32.2 | 13.5 | 1.28 | 709021008 |
| S-CAU10 | 10 | 39 | 16.2 | 2.06 | 709021010 |

## S.S. KOREAN STANDARD CHAIN



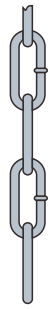
| Item No. | Size mm | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|
| S-CKR03 | 3 | 23 | 5.3 | 0.15 | 709022003 |
| S-CKR04 | 4 | 22 | 7.5 | 0.3 | 709022004 |
| S-CKR05 | 5 | 23.7 | 8.3 | 0.47 | 709022005 |
| S-CKR06 | 6 | 27.3 | 10 | 0.7 | 709022006 |
| S-CKR07 | 7 | 31 | 12 | 0.95 | 709022007 |
| S-CKR08 | 8 | 35 | 13.7 | 1.25 | 709022008 |
| S-CKR09 | 9 | 39 | 15.2 | 1.58 | 709022009 |
| S-CKR12 | 12 | 38 | 18 | 3.13 | 709022012 |

## S.S. DIN 763 CHAIN



| Item No. | Size mm | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|
| S-C76302 | 2 | 22 | 4 | 0.06 | 709023302 |
| S-C76303 | 3 | 26 | 6 | 0.15 | 709023303 |
| S-C76304 | 4 | 32 | 8 | 0.27 | 709023304 |
| S-C76305 | 5 | 35 | 10 | 0.43 | 709023305 |
| S-C76306 | 6 | 42 | 12 | 0.63 | 709023306 |
| S-C76307 | 7 | 49 | 14 | 0.86 | 709023307 |
| S-C76308 | 8 | 52 | 16 | 1.1 | 709023308 |
| S-C76309 | 9 | 59 | 18 | 1.41 | 709023309 |
| S-C76310 | 10 | 65 | 20 | 1.75 | 709023310 |
| S-C76313 | 13 | 85 | 26 | 2.95 | 709023313 |

## S.S. DIN 5685 LONG LINK CHAIN



| Item No. | Size mm | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|
| S-L568502 | 2 | 22 | 4 | 0.06 | 709024502 |
| S-L568503 | 3 | 26 | 6 | 0.15 | 709024503 |
| S-L568504 | 4 | 32 | 8 | 0.27 | 709024504 |
| S-L568505 | 5 | 35 | 10 | 0.43 | 709024505 |
| S-L568506 | 6 | 42 | 12 | 0.63 | 709024506 |
| S-L568507 | 7 | 49 | 14 | 0.86 | 709024507 |
| S-L568508 | 8 | 52 | 16 | 1.1 | 709024508 |
| S-L568509 | 9 | 59 | 18 | 1.41 | 709024509 |
| S-L568510 | 10 | 65 | 20 | 1.75 | 709024510 |
| S-L568513 | 13 | 85 | 26 | 2.95 | 709024513 |

## S.S. NACM84/90 STANDARD CHAIN



| Item No. | Size | | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|---|
| | Inch | mm | | | | |
| S-NA9004 | 1/8 | 4 | 23 | 7 | 0.29 | 709025004 |
| S-NA9005 | 3/16 | 5.5 | 24 | 10.2 | 0.60 | 709025005 |
| S-NA9007 | 1/4 | 7 | 29.3 | 11 | 0.98 | 709025007 |
| S-NA9008 | 5/16 | 8.7 | 31.5 | 12.4 | 1.28 | 709025008 |
| S-NA9010 | 3/8 | 10 | 33.6 | 15.1 | 2.12 | 709025010 |
| S-NA9013 | 1/2 | 13 | 43.7 | 19.8 | 3.61 | 709025013 |

## S.S. JIS STANDARD CHAIN



| Item No. | Size mm | I.L. mm | I.W. mm | WT./M kg | Product Code |
|---|---|---|---|---|---|
| S-CJP02 | 2 | 12 | 3.5 | 0.07 | 709026002 |
| S-CJP03 | 3 | 19 | 5 | 0.16 | 709026003 |
| S-CJP04 | 4 | 26 | 6 | 0.27 | 709026004 |
| S-CJP41 | 4 | 20 | 6 | 0.29 | 709026005 |
| S-CJP50 | 5 | 27 | 7 | 0.44 | 709026006 |
| S-CJP51 | 5 | 20 | 7 | 0.49 | 709026007 |
| S-CJP55 | 5.5 | 30 | 8 | 0.54 | 709026008 |
| S-CJP551 | 5.5 | 24 | 10 | 0.60 | 709026009 |
| S-CJP60 | 6 | 31 | 9 | 0.65 | 709026010 |
| S-CJP61 | 6 | 24 | 9 | 0.72 | 709026011 |
| S-CJP70 | 7 | 37 | 10 | 0.88 | 709026012 |
| S-CJP71 | 7 | 28 | 10 | 0.96 | 709026013 |
| S-CJP80 | 8 | 38 | 11 | 1.18 | 709026014 |
| S-CJP81 | 8 | 32 | 12 | 1.27 | 709026015 |
| S-CJP90 | 9 | 39 | 13 | 1.55 | 709026016 |
| S-CJP91 | 9 | 36 | 14 | 1.61 | 709026017 |
| S-CJP10 | 10 | 42 | 15 | 1.95 | 709026018 |
| S-CJP120 | 12 | 54 | 20 | 2.77 | 709026019 |
| S-CJP121 | 12 | 48 | 19 | 2.88 | 709026020 |

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